

Db 541 GGATNGNTNGAANGAANGAANCAAAAAAGTNNANAAATGGNGTAAAGTNNNTT 600
QY 601 nntnnnaaagangantccnatttngntcaatnatygangabacnnganncaa 660
Db 601 nntnnnnnaagangantccnatttngntcattnatgngatpccnncganncaaa 660
QY 661 ngntttnngatngngangannnttntantanaangntnnnnnattnnaaagann 720
Db 661 NGNTTNNNNNGATNGGANGANNNTTNTANTANAANGNTNNNNNATTTNNAAGANN 720
QY 721 ngntngtgcantngcattatattnaanttgatgatanntnnngaanntnnannnga 780
Db 721 NGTNTNGTCCNTNGCNTATATNNANTTTGATGANTNTNNNNGANTNNANNNGA 780
QY 781 nngnnannnttnaataaagannnaaagcmtnaangantnganaaangccnga 840
Db 781 NNGNNANNNTNTAATAAGANNNAANAAGCNTNNAAGATNGAANAAGNCCNGA 840
QY 841 naaaaaaagcnnnaaanaannnnnaannltnaanaaantnnngcnaannca 900
Db 841 NANAANAAGCNNNAANAANNNNNNNAANTNNAANANCAANTNNNGCAANNANCA 900
QY 901 aaanttnangannnaannnnntnaannnncatgynaagaattaccnatntcngc 960
Db 901 AAANTTNANGANNANNNNNNNTNNAANNNNANCAATGGNAAGATTACCNATNTCCNC 960
QY 961 ngnttcttnatnaatcctnltgaagtngtntantngcngtgygacnctnaatnn 1020
Db 961 NGNTTCTTNTNATNAATCCNTNTGAAGTNGTNTANTANGCNGGTGACNATCNATNN 1020
QY 1021 nctnnngcancntngcngngatgacntncaatgynnatgataantatgcnntna 1080
Db 1021 NTNNNGCANTNGCGNAGNTATGCNTNCAATGCGNNATGATTAAATATGCNTNNA 1080
QY 1081 ncatnnatcnaangntanaatttntatgnttgaagntaagntantttanngangcnga 1140
Db 1081 NCATNNNATNNANNGTANAATTNTATGCGNTTJAGNGSTNANTTTANGANGANGCNGA 1140
QY 1141 agatngngcgtntnaanttnaaaaangntnnnatgcnangantntngantngttgg 1200
Db 1141 AGATGNGGNGTNTNAAATTNAAAAANGNTNNNATGCGANNTNNTGANTANGTTGG 1200
QY 1201 ngantntnaaaccnatnaaanaocnntntannnnnntatannncantnaaaaant 1260
Db 1201 NGANTTNTNTAACCATNAABAANCCNTNTANNNNNNNTATANNNCANTNAAAAANT 1260
QY 1261 naannnaannnnnnntaannnaannnnnaannnaannnnnnnatgaattacaga 1320
Db 1261 NNAANNNNANNNNNNNTAANNANNNNNNNNANNNNNNNNATGAATTACAGA 1320
QY 1321 gtttaann 1328
Db 1321 GTTAAANN 1328

Search completed: June 22, 2002, 09:59:34
Job time: 7482 sec

Db 241 ncnngtnatngatntnanaannnagancngtngtncantnttcttaangantnnmaa 300
QY 301 ntactnaaanaannannntnnntatantnnnnntngancnttannntntatcaata 360
Db 301 ntactnaaanaannannntnnntatantnnnnntngancnttannntntatcaata 360
QY 361 nnnnaatcatgagngantnnnnngnaatcgngngnangaatggntntngatnant 420
Db 361 nnnnaatcatgagngantnnnnngnaatcgngngnangaatggntntngatnant 420
QY 421 nnnnnnnntngntntnaucannngntttnnnannngnttgancntnnnncaat 480
Db 421 nnnnnnnntngntntnaucannngntttnnnannngnttgancntnnnncaat 480
QY 481 nngntnncantcngntntnatttannnnnnnaaannncnnnagantntnnaannnat 540
Db 481 nngntnncantcngntntnatttannnnnnnaaannncnnnagantntnnaannnat 540
QY 541 ggaatngnttngnaannnagnaanaaagttanaanaaatygnynaagttannnt 600
Db 541 ggaatngnttngnaannnagnaanaaagttanaanaaatygnynaagttannnt 600
QY 601 notnnnnnaagangantnccnatnttngntcattnatgngangatacncnganncnaa 660
Db 601 notnnnnnaagangantnccnatnttngntcattnatgngangatacncnganncnaa 660
QY 661 ngnattnnngatngngannnnnttntantanaannngttnnnnnnattnnaaagann 720
Db 661 ngnattnnngatngngannnnnttntantanaannngttnnnnnnattnnaaagann 720
QY 721 ngntnngtncnntngcntatantnanttgatgancntannntnnnnga 780
Db 721 ngntnngtncnntngcntatantnanttgatgancntannntnnnnga 780
QY 781 nngnannnnnttanaataaagannnaaagancntnaagantnagaanaagncnga 840
Db 781 nngnannnnnttanaataaagannnaaagancntnaagantnagaanaagncnga 840
QY 841 naaanaaaangcnnnaanaaannnnnnnaaanttnaanaaacaantnnngcnaaannaca 900
Db 841 naaanaaaangcnnnaanaaannnnnnnaaanttnaanaaacaantnnngcnaaannaca 900
QY 901 aaaaanttnangngannnnnnnttnaannnancatggnaagaaattacnattcngc 960
Db 901 aaaaanttnangngannnnnnnttnaannnancatggnaagaaattacnattcngc 960
QY 961 ngntncttntnaatcncntvgagtygtntantangcngtygnaentcnaatnn 1020
Db 961 ngntncttntnaatcncntvgagtygtntantangcngtygnaentcnaatnn 1020
QY 1021 nttnngcancnttngcngnagatcngntncaatggnnatgattaantatgcnntna 1080
Db 1021 nttnngcancnttngcngnagatcngntncaatggnnatgattaantatgcnntna 1080
QY 1081 ncattnnattnannngntanaattntatggnnttaaggytnanttlangangangcnga 1140
Db 1081 ncattnnattnannngntanaattntatggnnttaaggytnanttlangangangcnga 1140
QY 1141 agatgngnggntntnaanttnaaaagngntnnatgycngantntntngantangtygg 1200
Db 1141 agatgngnggntntnaanttnaaaagngntnnatgycngantntntngantangtygg 1200
QY 1201 nganttnntnaaacnataanaaancntntannnnnnntatcannncantnaaaaant 1260
Db 1201 nganttnntnaaacnataanaaancntntannnnnnntatcannncantnaaaaant 1260
QY 1261 nnaannnaannnnnnntannnaannnnnnnaannnnnnnnatgaaatttacaga 1320
Db 1261 nnaannnaannnnnnntannnaannnnnnnnnnnnnnnnnnatgaaatttacaga 1320
QY 1321 gtttaann 1328
Db 1321 gtttaann 1328

Search completed: June 22, 2002, 10:04:59
Job time: 7532 sec

Wed Jun 26 08:06:16 2002

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OM nucleic - nucleic search, using sw model

Run on: June 22, 2002, 07:55:47 ; Search time 53.69 Seconds
(without alignments)
6075.643 Million cell updates/sec

Title: US-09-509-234C-1
Perfect score: 1328
Sequence: 1 nnnnnnnnnnnnaaatga.....gaaatttacagagttaannn 1328

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 383533 seqs, 122816752 residues

Word size : 50

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : Issued_patents_NA.*
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description

No matches found					

Search completed: June 22, 2002, 10:00:41
Job time: 7494 sec

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OM nucleic - nucleic search, using sw model

Run on: June 22, 2002, 07:51:27 ; Search time 1732.3 Seconds
(without alignments)
10346.912 Million cell updates/sec

Title: US-09-509-234C-1
Perfect score: 1328
Sequence: 1 nnnnnnnnnnnnaaatga.....gaaattacagaggttaann 1328

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 13736207 seqs, 6748477542 residues

Word size : 50

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : EST:*

1:	em_estba.*
2:	em_esthum.*
3:	em_estin.*
4:	em_estnu.*
5:	em_estov.*
6:	em_estpl.*
7:	em_estro.*
8:	em_hic.*
9:	gb_est1.*
10:	gb_est2.*
11:	gb_hic.*
12:	gb_gss.*
13:	em_gss_hum.*
14:	em_gss_inv.*
15:	em_gss_pln.*
16:	em_gss_vrt.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES			
Result	Query		
No.	Score	Match Length DB ID	Description

No matches found

Search completed: June 22, 2002, 09:17:10
Job time: 5143 sec

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OM nucleic - nucleic search, using sw model

Run on: June 22, 2002, 05:48:26 ; Search time 2531.75 Seconds
(without alignments)
10976.771 Million cell updates/sec

Title: US-09-509-234C-1
Perfect score: 1328
Sequence: 1 nnnnnnnnnnnnaaatga.....gaaattacagagttaannn 1328

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 1797656 seqs, 10463268293 residues

Word size : 15

Total number of hits satisfying chosen parameters: 10912

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database :

GenEmbl:*

1: gb_ba:*

2: gb_htg:*

3: gb_in:*

4: gb_om:*

5: gb_ov:*

6: gb_pat:*

7: gb_ph:*

8: gb_pl:*

9: gb_pr:*

10: gb_ro:*

11: gb_sts:*

12: gb_sy:*

13: gb_un:*

14: gb_vi:*

15: em_ba:*

16: em_fun:*

17: em_hum:*

18: em_in:*

19: em_mu:*

20: em_om:*

21: em_or:*

22: em_ov:*

23: em_pat:*

24: em_ph:*

25: em_pl:*

26: em_ro:*

27: em_sts:*

28: em_un:*

29: em_vi:*

30: em_htg_hum:*

31: em_htg_inv:*

32: em_htg_other:*

33: em_htgo_inv:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query - Score	Match Length	ID	Description
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				

1	1328	100.0	1328	6	A97445
2	44	3.3	44	6	A97468
3	43	3.2	43	6	A97454
4	40	3.0	40	6	A97457
5	37	2.8	37	6	A97451
6	35	2.6	35	6	A97446
7	35	2.6	35	6	A97452
8	35	2.6	35	6	A97467
9	32	2.4	32	6	A97459
10	32	2.4	32	6	A97466
11	25	1.9	25	6	A97449
12	25	1.9	13139	2	AC107183
13	25	1.9	59240	2	AC108260
14	25	1.9	124083	2	AC109815
15	24	1.8	50132	2	AC098325
16	24	1.8	55797	2	AC110037
17	24	1.8	58555	2	AC102082
18	24	1.8	60536	2	AC102614
19	24	1.8	61916	2	AC097985
20	24	1.8	62897	2	AC101230
21	24	1.8	67602	2	AC101929
22	24	1.8	68380	2	AC102929
23	24	1.8	68896	2	AC101013
24	24	1.8	73483	2	AC097933
25	24	1.8	73745	2	AC044897
26	24	1.8	75609	2	AC094802
27	24	1.8	75839	2	AC037462
28	24	1.8	105364	2	AC097948
29	24	1.8	115905	2	AC096477
30	24	1.8	120441	2	AC098872
31	24	1.8	134260	2	AC094356
32	24	1.8	141892	2	AC023197
33	24	1.8	147138	2	AC095329
34	24	1.8	151452	2	AC097979
35	24	1.8	160791	2	AC094557
36	24	1.8	164988	2	AC094890
37	24	1.8	170330	2	AC106291
38	24	1.8	173793	2	AC096176
39	24	1.8	175229	2	AC096209
40	24	1.8	178214	2	AC096965
41	24	1.8	180248	2	AC096191
42	24	1.8	182686	2	AC098098
43	24	1.8	298166	2	AC087563
44	23	1.7	737	6	AR008392
45	23	1.7	737	6	I87384
46	23	1.7	66624	2	AC04376
47	23	1.7	69274	2	AC084228
48	23	1.7	77772	2	AC027549
49	23	1.7	119492	2	AC096479
50	23	1.7	121290	2	CEH27C14
51	23	1.7	131145	2	AC108525
52	23	1.7	182948	2	AC098130
53	22	1.7	22	6	A97464
54	22	1.7	127	9	HS22QT015
55	22	1.7	52668	2	AC102838
56	22	1.7	59257	2	AC103686
57	22	1.7	77137	2	AC097748
58	22	1.7	88989	2	AC096476
59	22	1.7	156785	2	AC103440
60	22	1.7	164039	2	AC099084
61	22	1.7	173835	2	AC096011
62	22	1.7	194846	2	AC095597
63	21	1.6	51870	2	AC107965
64	21	1.6	52390	2	AC100498
65	21	1.6	52611	2	AC100025
66	21	1.6	57550	2	AC100408
67	21	1.6	58445	2	AC101264
68	21	1.6	61352	2	AC099964
69	21	1.6	67568	2	AC105907
70	21	1.6	68108	2	AC090474
71	21	1.8	74306	2	AC022623
72	21	1.6	86026	2	AC106588
73	21	1.6	110000	2	AC099646_0

C 74	21	1.6	149098	2	AC098108	AC098108 Rattus no	C 147	19	1.4	59886	2	AC083766	AC083766 Homo sapi
C 75	21	1.6	151452	2	AC097979	AC097979 Rattus no	C 148	19	1.4	60130	2	AC105157	AC105157 Mus muscu
C 76	21	1.6	157871	2	AC025074	AC025074 Homo sapi	C 149	19	1.4	60343	2	AC099872	AC099872 Mus muscu
C 77	21	1.6	181705	2	AC023831	AC023831 Homo sapi	C 150	19	1.4	60422	2	AC087584	AC087584 Homo sapi
C 78	21	1.6	183624	2	AL512588	AL512588 Mus muscu	C 151	19	1.4	60504	2	AC090716	AC090716 Homo sapi
C 79	21	1.6	185565	2	AC020607	AC020607 Homo sapi	C 152	19	1.4	61240	2	AC068578	AC068578 Homo sapi
C 80	21	1.6	211967	2	AC013368	AC013368 Homo sapi	C 153	19	1.4	62160	2	AC107676	AC107676 Mus muscu
C 81	20	1.5	20	6	A97458	A97458 Sequence 14	C 154	19	1.4	62795	2	AC022602	AC022602 Homo sapi
C 82	20	1.5	20	6	A97470	A97470 Sequence 26	C 155	19	1.4	63205	2	AC091186	AC091186 Homo sapi
C 83	20	1.5	43057	2	AC016312	AC016312 Homo sapi	C 156	19	1.4	63515	2	AC101883	AC101883 Mus muscu
C 84	20	1.5	43057	2	AC010675	AC010675 Homo sapi	C 157	19	1.4	63673	2	AC108390	AC108390 Homo sapi
C 85	20	1.5	45050	2	AC010775	AC010775 Homo sapi	C 158	19	1.4	64742	2	AC110518	AC110518 Mus muscu
C 86	20	1.5	5069	2	AC018631	AC018631 Drosophila	C 159	19	1.4	65144	2	AC109169	AC109169 Mus muscu
C 87	20	1.5	55058	2	AC090935	AC090935 Homo sapi	C 160	19	1.4	65265	2	AC101737	AC101737 Mus muscu
C 88	20	1.5	59059	2	AC108444	AC108444 Mus muscu	C 161	19	1.4	65940	2	AC103716	AC103716 Homo sapi
C 89	20	1.5	63059	2	AC090996	AC090996 Homo sapi	C 162	19	1.4	66333	2	AC102528	AC102528 Mus muscu
C 90	20	1.5	64360	2	AC101498	AC101498 Homo sapi	C 163	19	1.4	66368	2	AC101500	AC101500 Mus muscu
C 91	20	1.5	66240	2	AC104343	AC104343 Homo sapi	C 164	19	1.4	66664	2	AC022737	AC022737 Homo sapi
C 92	20	1.5	67499	2	AC090633	AC090633 Homo sapi	C 165	19	1.4	70308	2	AC073899	AC073899 Homo sapi
C 93	20	1.5	67963	2	AC101967	AC101967 Homo sapi	C 166	19	1.4	70433	2	AC102325	AC102325 Mus muscu
C 94	20	1.5	69156	2	AC108411	AC108411 Homo sapi	C 167	19	1.4	71792	2	AC102402	AC102402 Mus muscu
C 95	20	1.5	69961	2	AC087291	AC087291 Homo sapi	C 168	19	1.4	71820	2	AC100627	AC100627 Mus muscu
C 96	20	1.5	71226	2	AC102179	AC102179 Mus muscu	C 169	19	1.4	72192	2	AC101657	AC101657 Homo sapi
C 97	20	1.5	71833	2	AC101601	AC101601 Mus muscu	C 170	19	1.4	74101	2	AC087751	AC087751 Homo sapi
C 98	20	1.5	74412	2	AC102178	AC102178 Mus muscu	C 171	19	1.4	76856	2	AC021526	AC021526 Homo sapi
C 99	20	1.5	76900	2	AC020767	AC020767 Homo sapi	C 172	19	1.4	79795	2	AC015790	AC015790 Homo sapi
C 100	20	1.5	102069	2	AC060787	AC060787 Homo sapi	C 173	19	1.4	82939	2	AC106210	AC106210 Rattus no
C 101	20	1.5	104864	2	AC095721	AC095721 Rattus no	C 174	19	1.4	85722	2	AC094640	AC094640 Rattus no
C 102	20	1.5	150845	2	AC098060	AC098060 Rattus no	C 175	19	1.4	91334	2	AC024691	AC024691 Homo sapi
C 103	20	1.5	160048	2	AC095328	AC095328 Rattus no	C 176	19	1.4	96653	2	AC103038	AC103038 Rattus no
C 104	20	1.5	160086	2	AC105541	AC105541 Rattus no	C 177	19	1.4	110000	2	CEY39B6.0	CEY39B6.0
C 105	20	1.5	168576	2	AC098040	AC098040 Rattus no	C 178	19	1.4	112259	2	AC026575	AC026575 Homo sapi
C 106	20	1.5	169323	2	AL512584	AL512584 Mus muscu	C 179	19	1.4	124182	2	AC091087	AC091087 Oryza sat
C 107	20	1.5	169389	2	AL161906	AL161906 Homo sapi	C 180	19	1.4	126038	2	AC094305	AC094305 Homo sapi
C 108	20	1.5	172080	2	AC025243	AC025243 Homo sapi	C 181	19	1.4	126933	2	AC094335	AC094335 Rattus no
C 109	20	1.5	183692	2	AC025677	AC025677 Homo sapi	C 182	19	1.4	127505	2	AC061980	AC061980 Homo sapi
C 110	20	1.5	188751	2	AC020554	AC020554 Homo sapi	C 183	19	1.4	131271	2	AC015927	AC015927 Homo sapi
C 111	20	1.5	191692	2	AC094179	AC094179 Rattus no	C 184	19	1.4	134323	2	AC106298	AC106298 Rattus no
C 112	20	1.5	229482	2	AC023834	AC023834 Mus muscu	C 185	19	1.4	134507	2	AC103158	AC103158 Homo sapi
C 113	20	1.5	234407	2	AC074149	AC074149 Mus muscu	C 186	19	1.4	135095	2	AC084714	AC084714 Homo sapi
C 114	20	1.5	267759	2	AL670999	AL670999 Mus muscu	C 187	19	1.4	135350	2	AL391626	AL391626 Homo sapi
C 115	20	1.5	274626	2	AC079418	AC079418 Mus muscu	C 188	19	1.4	135671	2	AC107529	AC107529 Rattus no
C 116	19	1.4	641	6	AC069603	AC069603 Caenorhabd	C 189	19	1.4	136817	2	AC022476	AC022476 Homo sapi
C 117	19	1.4	641	6	A97472	A97472 Sequence 28	C 190	19	1.4	140910	2	AC104095	AC104095 Homo sapi
C 118	19	1.4	724	11	HS437181	HS437181 Homo sapi	C 191	19	1.4	143509	2	AC068683	AC068683 Homo sapi
C 119	19	1.4	874	11	HS4324047	HS4324047 Rattus no	C 192	19	1.4	146348	2	AC103436	AC103436 Homo sapi
C 120	19	1.4	1254	6	AX141473	AX141473 Sequence	C 193	19	1.4	146473	2	AC013344	AC013344 Homo sapi
C 121	19	1.4	1283	6	SH023712	SH023712 Staphylococ	C 194	19	1.4	147839	2	AC106427	AC106427 Rattus no
C 122	19	1.4	1284	6	A97490	A97490 Sequence 46	C 195	19	1.4	148524	2	AC098145	AC098145 Homo sapi
C 123	19	1.4	1295	6	A97488	A97488 Sequence 50	C 196	19	1.4	150083	2	AC024892	AC024892 Homo sapi
C 124	19	1.4	1297	6	A97488	A97488 Sequence 44	C 197	19	1.4	153938	2	AC080050	AC080050 Homo sapi
C 125	19	1.4	1305	6	A97488	A97488 Sequence 48	C 198	19	1.4	154289	2	AC098114	AC098114 Rattus no
C 126	19	1.4	1305	6	A97488	A97488 Sequence 40	C 199	19	1.4	155825	2	AC106084	AC106084 Rattus no
C 127	19	1.4	1327	1	SE023714	SE023714 Staphylococ	C 200	19	1.4	156062	2	AC097255	AC097255 Rattus no
C 128	19	1.4	1877	1	SAFEA	SAFEA	C 201	19	1.4	163134	2	AC019286	AC019286 Homo sapi
C 129	19	1.4	3446	1	AF269697	AF269697 Staphyloc	C 202	19	1.4	168390	2	AC105590	AC105590 Rattus no
C 130	19	1.4	4434	6	AX145015	AX145015 Sequence	C 203	19	1.4	168836	2	AC106504	AC106504 Homo sapi
C 131	19	1.4	4434	6	AX145015	AX145015 Sequence	C 204	19	1.4	168836	2	AC108526	AC108526 Homo sapi
C 132	19	1.4	14118	2	AC109833	AC109833 Rattus no	C 205	19	1.4	170981	2	AC097596	AC097596 Homo sapi
C 133	19	1.4	23864	3	AE002853	AE002853 Drosophila	C 206	19	1.4	170993	2	AC021528	AC021528 Homo sapi
C 134	19	1.4	34865	3	AC098363	AC098363 Rattus no	C 207	19	1.4	171233	2	AC106449	AC106449 Rattus no
C 135	19	1.4	38639	2	AC103279	AC103279 Rattus no	C 208	19	1.4	171965	2	AC027507	AC027507 Homo sapi
C 136	19	1.4	40080	2	AC011563	AC011563 Homo sapi	C 209	19	1.4	171965	2	AC031982	AC031982 Homo sapi
C 137	19	1.4	46300	2	AC100254	AC100254 Mus muscu	C 210	19	1.4	176771	2	AC106096	AC106096 Homo sapi
C 138	19	1.4	46300	2	AC108660	AC108660 Rattus no	C 211	19	1.4	178535	2	AC055755	AC055755 Homo sapi
C 139	19	1.4	49530	2	AC102361	AC102361 Mus muscu	C 212	19	1.4	180207	2	AC060802	AC060802 Homo sapi
C 140	19	1.4	51163	2	AC067930	AC067930 Homo sapi	C 213	19	1.4	180341	2	AC094468	AC094468 Rattus no
C 141	19	1.4	55205	2	AC102492	AC102492 Mus muscu	C 214	19	1.4	180916	2	AC106543	AC106543 Homo sapi
C 142	19	1.4	56109	2	AC103162	AC103162 Rattus no	C 215	19	1.4	184535	2	CNS05TCJ	CNS05TCJ
C 143	19	1.4	56494	2	AC083782	AC083782 Homo sapi	C 216	19	1.4	192581	2	PFMAL13P1	PFMAL13P1 Plasmodiu
C 144	19	1.4	57573	2	AC087509	AC087509 Homo sapi	C 217	19	1.4	201470	2	AC073924	AC073924 Homo sapi
C 145	19	1.4	57793	2	AC109338	AC109338 Homo sapi	C 218	19	1.4	202777	2	AL590380	AL590380 Mus muscu
C 146	19	1.4	58737	2	AC108440	AC108440 Mus muscu	C 219	19	1.4	202777	2	AL590380	AL590380 Mus muscu

c 220	19	1.4	202777	2	AL590380	Mus muscu	AL590380 Mus muscu	18	1.4	5556	2	AC100220	Mus muscu	AC100220 Mus muscu
221	19	1.4	207101	2	AL663092	Mus muscu	AL663092 Mus muscu	18	1.4	5563	2	AC103997	Homo sapi	AC103997 Homo sapi
222	19	1.4	207962	2	AC015679	Homo sapi	AC015679 Homo sapi	18	1.4	5568	2	AC102000	Mus muscu	AC102000 Mus muscu
223	19	1.4	209712	2	AC104468	Homo sapi	AC104468 Homo sapi	18	1.4	56010	2	AC102406	Mus muscu	AC102406 Mus muscu
224	19	1.4	221377	2	AL682813	Mus muscu	AL682813 Mus muscu	18	1.4	56330	2	AC101316	Mus muscu	AC101316 Mus muscu
225	19	1.4	303750	1	AP003133	Staphyloc	AP003133 Staphyloc	18	1.4	56342	2	AC101808	Mus muscu	AC101808 Mus muscu
c 226	19	1.4	328117	2	AC017097	Homo sapi	AC017097 Homo sapi	18	1.4	56565	2	AC106398	Rattus no	AC106398 Rattus no
227	19	1.4	346900	1	AP003362	Staphyloc	AP003362 Staphyloc	18	1.4	56609	2	AC102570	Mus muscu	AC102570 Mus muscu
228	18	1.4	18	6	A97453	Sequence 9	A97453 Sequence 9	18	1.4	56751	2	AC100850	Homo sapi	AC100850 Homo sapi
229	18	1.4	200	11	G37938	c4M72 Plasm	G37938 c4M72 Plasm	18	1.4	56779	2	AC106980	Rattus no	AC106980 Rattus no
c 230	18	1.4	1023	6	A65498	Sequence 11	A65498 Sequence 11	18	1.4	57393	2	AC101622	Mus muscu	AC101622 Mus muscu
231	18	1.4	1371	6	A97497	Sequence 53	A97497 Sequence 53	18	1.4	57398	2	AC027586	Homo sapi	AC027586 Homo sapi
232	18	1.4	10606	2	AC109663	Rattus no	AC109663 Rattus no	18	1.4	57417	2	AC102235	Mus muscu	AC102235 Mus muscu
c 233	18	1.4	10876	2	AC108448	Homo sapi	AC108448 Homo sapi	18	1.4	57550	2	AC069034	Homo sapi	AC069034 Homo sapi
234	18	1.4	24314	2	AC110387	Mus muscu	AC110387 Mus muscu	18	1.4	57684	2	AC108066	Homo sapi	AC108066 Homo sapi
235	18	1.4	24412	2	AC100285	Rattus no	AC100285 Rattus no	18	1.4	57866	2	AC102789	Mus muscu	AC102789 Mus muscu
c 236	18	1.4	27439	2	AC107843	Mus muscu	AC107843 Mus muscu	18	1.4	58272	2	AC090171	Homo sapi	AC090171 Homo sapi
c 237	18	1.4	31191	2	AC108328	Rattus no	AC108328 Rattus no	18	1.4	58401	2	AC102744	Mus muscu	AC102744 Mus muscu
c 238	18	1.4	39799	2	AC074056	Homo sapi	AC074056 Homo sapi	18	1.4	59648	2	AC099825	Papio ham	AC099825 Papio ham
c 239	18	1.4	40911	2	AC101783	Mus muscu	AC101783 Mus muscu	18	1.4	59937	2	AC069566	Homo sapi	AC069566 Homo sapi
c 240	18	1.4	42611	2	AC100090	Mus muscu	AC100090 Mus muscu	18	1.4	70105	2	AC102180	Mus muscu	AC102180 Mus muscu
c 241	18	1.4	43159	2	AC102354	Mus muscu	AC102354 Mus muscu	18	1.4	70534	2	AC101820	Mus muscu	AC101820 Mus muscu
c 242	18	1.4	43918	2	AC108595	Rattus no	AC108595 Rattus no	18	1.4	70816	2	AC101610	Mus muscu	AC101610 Mus muscu
c 243	18	1.4	45408	2	AC087406	Homo sapi	AC087406 Homo sapi	18	1.4	70830	2	AC103367	Mus muscu	AC103367 Mus muscu
c 244	18	1.4	45908	2	AC105240	Homo sapi	AC105240 Homo sapi	18	1.4	70830	2	AC103367	Mus muscu	AC103367 Mus muscu
245	18	1.4	46377	2	AC024365	Homo sapi	AC024365 Homo sapi	18	1.4	71139	2	AC102101	Mus muscu	AC102101 Mus muscu
c 246	18	1.4	47123	2	AC100792	Homo sapi	AC100792 Homo sapi	18	1.4	71363	2	AC104346	Homo sapi	AC104346 Homo sapi
c 247	18	1.4	47885	2	AC099926	Mus muscu	AC099926 Mus muscu	18	1.4	71465	2	AC101119	Mus muscu	AC101119 Mus muscu
c 248	18	1.4	51658	2	AC109063	Rattus no	AC109063 Rattus no	18	1.4	71858	2	AC101318	Mus muscu	AC101318 Mus muscu
c 249	18	1.4	51681	2	AC101239	Mus muscu	AC101239 Mus muscu	18	1.4	71876	2	AP000631	Homo sapi	AP000631 Homo sapi
c 250	18	1.4	51832	2	AC101875	Mus muscu	AC101875 Mus muscu	18	1.4	72016	2	AC026574	Homo sapi	AC026574 Homo sapi
c 251	18	1.4	52082	2	AC103712	Homo sapi	AC103712 Homo sapi	18	1.4	72299	2	AC101990	Mus muscu	AC101990 Mus muscu
c 252	18	1.4	53579	2	AC102385	Mus muscu	AC102385 Mus muscu	18	1.4	72648	2	AC101171	Mus muscu	AC101171 Mus muscu
c 253	18	1.4	53823	2	AC091642	Homo sapi	AC091642 Homo sapi	18	1.4	73193	2	AC102579	Mus muscu	AC102579 Mus muscu
c 254	18	1.4	54501	2	AC102416	Mus muscu	AC102416 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 255	18	1.4	55608	2	AC109287	Mus muscu	AC109287 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 256	18	1.4	5629	2	AC100504	Mus muscu	AC100504 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 257	18	1.4	56609	2	AC101764	Mus muscu	AC101764 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 258	18	1.4	56822	2	AC091084	Homo sapi	AC091084 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 259	18	1.4	57591	2	AC069490	Homo sapi	AC069490 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 260	18	1.4	57714	2	AC107999	Homo sapi	AC107999 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 261	18	1.4	58067	2	AC100426	Mus muscu	AC100426 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 262	18	1.4	58183	2	AC105972	Homo sapi	AC105972 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 263	18	1.4	58445	2	AC084704	Mus muscu	AC084704 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 264	18	1.4	58827	2	AC103756	Homo sapi	AC103756 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 265	18	1.4	59165	2	AC091456	Mus muscu	AC091456 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 266	18	1.4	59303	2	AC015782	Homo sapi	AC015782 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 267	18	1.4	60726	2	AC100613	Mus muscu	AC100613 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 268	18	1.4	60867	2	AC110233	Mus muscu	AC110233 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 269	18	1.4	61275	2	AC102012	Mus muscu	AC102012 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 270	18	1.4	62185	2	AC102565	Mus muscu	AC102565 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 271	18	1.4	62224	2	AC103862	Homo sapi	AC103862 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 272	18	1.4	62248	2	AC101017	Mus muscu	AC101017 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 273	18	1.4	62529	2	AC102074	Mus muscu	AC102074 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 274	18	1.4	62707	2	AC091197	Homo sapi	AC091197 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 275	18	1.4	62736	2	AC102774	Mus muscu	AC102774 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 276	18	1.4	63345	2	AC102648	Mus muscu	AC102648 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 277	18	1.4	63365	2	AC087437	Homo sapi	AC087437 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 278	18	1.4	63746	2	AC107680	Mus muscu	AC107680 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 279	18	1.4	63944	2	AC024955	Homo sapi	AC024955 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 280	18	1.4	64067	2	AC103962	Mus muscu	AC103962 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 281	18	1.4	64162	2	AC102104	Mus muscu	AC102104 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 282	18	1.4	64272	2	AC101276	Mus muscu	AC101276 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 283	18	1.4	64378	2	AC100024	Mus muscu	AC100024 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 284	18	1.4	64507	2	AC107641	Mus muscu	AC107641 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 285	18	1.4	64626	2	AC011641	Homo sapi	AC011641 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 286	18	1.4	64701	2	AC025070	Homo sapi	AC025070 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 287	18	1.4	64777	2	AC102892	Mus muscu	AC102892 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 288	18	1.4	64998	2	AC105065	Mus muscu	AC105065 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 289	18	1.4	65273	2	AC100780	Homo sapi	AC100780 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 290	18	1.4	65340	2	AC102550	Mus muscu	AC102550 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 291	18	1.4	65391	2	AC087759	Homo sapi	AC087759 Homo sapi	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu
c 292	18	1.4	65450	2	AC103393	Mus muscu	AC103393 Mus muscu	18	1.4	73402	2	AC101535	Mus muscu	AC101535 Mus muscu

C 366	18	1.4	134172	2	AC098096	Rattus no	C 439	18	1.4	185440	2	AC015499	AC015499 Homo sapi
C 367	18	1.4	137794	2	AC016854	Homo sapi	C 440	18	1.4	186706	2	AC068019	AC068019 Homo sapi
C 368	18	1.4	138857	2	AC027616	Homo sapi	C 441	18	1.4	188152	2	AC025847	AC025847 Homo sapi
C 369	18	1.4	141917	2	AL645926	Danio rer	C 442	18	1.4	189903	2	AC012542	AC012542 Homo sapi
C 370	18	1.4	142958	2	AC011135	Homo sapi	C 443	18	1.4	192060	2	AC106728	AC106728 Homo sapi
C 371	18	1.4	143585	2	AC013349	Homo sapi	C 444	18	1.4	192400	2	AC022712	AC022712 Homo sapi
C 372	18	1.4	143863	2	AC105649	Rattus no	C 445	18	1.4	192422	2	AC021071	AC021071 Homo sapi
C 373	18	1.4	146674	2	AC104397	Rattus no	C 446	18	1.4	194752	2	AC093349	AC093349 Mus muscu
C 374	18	1.4	147260	2	AC016340	Homo sapi	C 447	18	1.4	196087	2	AC106752	AC106752 Homo sapi
C 375	18	1.4	148123	2	AC098972	Homo sapi	C 448	18	1.4	197730	2	AC019094	AC019094 Homo sapi
C 376	18	1.4	148387	2	AC107015	Homo sapi	C 449	18	1.4	200286	2	AC079330	AC079330 Homo sapi
C 377	18	1.4	148670	2	AC024287	Homo sapi	C 450	18	1.4	200842	2	AC096319	AC096319 Homo sapi
C 378	18	1.4	150430	2	AC016329	Homo sapi	C 451	18	1.4	208532	2	AP001460	AP001460 Homo sapi
C 379	18	1.4	152123	2	AC046190	Homo sapi	C 452	18	1.4	216161	2	AC094548	AC094548 Homo sapi
C 380	18	1.4	152614	2	AC044881	Homo sapi	C 453	18	1.4	222068	2	AC087188	AC087188 Homo sapi
C 381	18	1.4	153576	2	AC020572	Homo sapi	C 454	18	1.4	224040	2	AC023174	AC023174 Mus muscu
C 382	18	1.4	153604	2	AC022754	Homo sapi	C 455	18	1.4	229518	2	AC069058	AC069058 Homo sapi
C 383	18	1.4	154936	2	AC021252	Homo sapi	C 456	18	1.4	229612	2	AL161647	AL161647 Homo sapi
C 384	18	1.4	154936	2	AC015481	Homo sapi	C 457	18	1.4	232240	2	AC095601	AC095601 Rattus no
C 385	18	1.4	156979	2	AC010563	Rattus no	C 458	18	1.4	234498	2	AC021077	AC021077 Homo sapi
C 386	18	1.4	157001	2	CNS07EF5	AL513356 Homo sapi	C 459	18	1.4	237181	2	AC023460	AC023460 Homo sapi
C 387	18	1.4	158078	2	AC095565	Rattus no	C 460	18	1.4	240021	2	AC099436	AC099436 Rattus no
C 388	18	1.4	158142	2	AL357130	Homo sapi	C 461	18	1.4	242396	2	AC098560	AC098560 Rattus no
C 389	18	1.4	158437	2	AC103326	Rattus no	C 462	18	1.4	244530	2	AC097044	AC097044 Rattus no
C 390	18	1.4	159478	2	AL359638	Homo sapi	C 463	18	1.4	284207	2	AC103329	AC103329 Rattus no
C 391	18	1.4	160839	2	AC069257	Homo sapi	C 464	18	1.4	294090	2	AC096361	AC096361 Rattus no
C 392	18	1.4	162022	2	AC106425	Rattus no	C 465	18	1.4	302300	2	AP003186	AP003186 Homo sapi
C 393	18	1.4	163077	2	AC027095	Homo sapi	C 466	17	1.3	74	6	AX342576	AX342576 Sequence
C 394	18	1.4	163229	2	AC015587	Homo sapi	C 467	17	1.3	74	6	AX342577	AX342577 Sequence
C 395	18	1.4	163388	2	AC096078	Rattus no	C 468	17	1.3	164	9	HS1307051	Z96276 H. sapiens t
C 396	18	1.4	163901	2	AC106426	Rattus no	C 469	17	1.3	262	11	G07021	G07021 human SRS W
C 397	18	1.4	164086	2	AC097929	Rattus no	C 470	17	1.3	302	5	TNICYTBAG	TNICYTBAG
C 398	18	1.4	165057	2	AC094471	Rattus no	C 471	17	1.3	362	11	AU029108	AU029108 Rattus no
C 399	18	1.4	165159	2	AC106643	Rattus no	C 472	17	1.3	400	11	G11048	G11048 human SRS S
C 400	18	1.4	165182	2	AC106300	Rattus no	C 473	17	1.3	446	11	G08878	G08878 human SRS C
C 401	18	1.4	165454	2	AC094051	Rattus no	C 474	17	1.3	581	11	G15788	G15788 human SRS C
C 402	18	1.4	165811	2	AC106276	Rattus no	C 475	17	1.3	644	9	HS333125	HS333125 Homo sapi
C 403	18	1.4	166885	2	AL353601	Homo sapi	C 476	17	1.3	650	11	AU046587	AU046587 Homo sapi
C 404	18	1.4	167052	2	AL356058	Homo sapi	C 477	17	1.3	681	9	HS342633	HS342633 Homo sapi
C 405	18	1.4	167871	2	AC099705	Mus muscu	C 478	17	1.3	682	11	G40740	G40740 Zebraf
C 406	18	1.4	168259	2	AC067842	Homo sapi	C 479	17	1.3	755	6	AX268833	AX268833 Sequence
C 407	18	1.4	168414	2	AC023146	Homo sapi	C 480	17	1.3	922	8	HS434374	HS434374 Homo sapi
C 408	18	1.4	170163	2	AC064844	Homo sapi	C 481	17	1.3	923	5	HS343425	HS343425 Homo sapi
C 409	18	1.4	170432	2	AC023322	Homo sapi	C 482	17	1.3	935	5	ECU49343	ECU49343 Homo sapi
C 410	18	1.4	170879	2	AC098135	Rattus no	C 483	17	1.3	942	9	HS333374	HS333374 Homo sapi
C 411	18	1.4	170893	2	AC027537	Homo sapi	C 484	17	1.3	966	9	AY005661	AY005661 Homo sapi
C 412	18	1.4	171411	2	AC087609	Homo sapi	C 485	17	1.3	1280	6	A97486	A97486 Sequence 42
C 413	18	1.4	171423	2	AC025664	Homo sapi	C 486	17	1.3	1359	9	HS333385	HS333385 Homo sapi
C 414	18	1.4	173263	2	AC106339	Rattus no	C 487	17	1.3	1362	8	AF0933720	AF0933720 C. trach
C 415	18	1.4	173976	2	AC073045	Rattus no	C 488	17	1.3	1372	8	AF344571	AF344571 Peixotoa
C 416	18	1.4	174033	2	AC021957	Homo sapi	C 489	17	1.3	1428	8	AXU50230	AXU50230 Astartia x
C 417	18	1.4	175040	2	AC106297	Rattus no	C 490	17	1.3	1428	8	EFU50234	EFU50234 Eremocharis
C 418	18	1.4	175569	2	AP001151	Homo sapi	C 491	17	1.3	1428	8	MM050247	MM050247 MacInlaya
C 419	18	1.4	177190	2	AC098134	Rattus no	C 492	17	1.3	1434	8	AF344534	AF344534 Burdachia
C 420	18	1.4	177206	2	AC098132	Rattus no	C 493	17	1.3	1521	6	AX255854	AX255854 Sequence
C 421	18	1.4	177731	2	AC018937	Homo sapi	C 494	17	1.3	2057	6	AX255854	AX255854 Sequence
C 422	18	1.4	178670	2	AC009290	Homo sapi	C 495	17	1.3	8553	2	AC091068	AC091068 Homo sapi
C 423	18	1.4	179439	2	AC018874	Homo sapi	C 496	17	1.3	8636	2	AC109674	AC109674 Rattus no
C 424	18	1.4	179775	2	AC103452	Rattus no	C 497	17	1.3	15313	2	AC101337	AC101337 Mus muscu
C 425	18	1.4	179989	2	AC016451	Homo sapi	C 498	17	1.3	16126	2	AC098350	AC098350 Rattus no
C 426	18	1.4	180583	2	AC098623	Rattus no	C 499	17	1.3	19289	2	AC090926	AC090926 Homo sapi
C 427	18	1.4	181029	30	AC026901	Homo sapi	C 500	17	1.3	19555	2	AC108649	AC108649 Rattus no
C 428	18	1.4	181921	2	AC098525	Rattus no	C 501	17	1.3	25770	2	AC108649	AC108649 Rattus no
C 429	18	1.4	181925	2	AC020710	Homo sapi	C 502	17	1.3	25967	2	AC100971	AC100971 Mus muscu
C 430	18	1.4	182295	2	AC023004	Homo sapi	C 503	17	1.3	29668	2	AC100539	AC100539 Mus muscu
C 431	18	1.4	182386	2	AC021990	Homo sapi	C 504	17	1.3	30389	2	AC103661	AC103661 Mus muscu
C 432	18	1.4	182795	2	AC103049	Rattus no	C 505	17	1.3	30620	2	AC104357	AC104357 Homo sapi
C 433	18	1.4	183355	2	AC021801	Homo sapi	C 506	17	1.3	32151	2	AC110407	AC110407 Rattus no
C 434	18	1.4	183624	2	AL512588	Mus muscu	C 507	17	1.3	32421	2	CEH25F02	CEH25F02 Caenorhabdi
C 435	18	1.4	184402	2	AC074199	Homo sapi	C 508	17	1.3	32785	2	AC013560	AC013560 Homo sapi
C 436	18	1.4	184635	2	AC025827	Homo sapi	C 509	17	1.3	32812	2	AC094250	AC094250 Rattus no
C 437	18	1.4	184826	2	AC009661	Homo sapi	C 510	17	1.3	33505	2	AC103634	AC103634 Mus muscu
C 438	18	1.4	185178	2	AP000937	Homo sapi	C 511	17	1.3	33751	2	AC099966	AC099966 Mus muscu

c 512	17	1.3	34563	2	AC109507	AC109507	Mus muscu	c 585	17	1.3	53026	2	AC104262	AC104262	Homo sapi
c 513	17	1.3	34753	2	AC104199	AC104199	Mus muscu	c 586	17	1.3	53128	2	AC068237	AC068237	Homo sapi
c 514	17	1.3	36021	2	AC087524	AC087524	Homo sapi	c 587	17	1.3	53149	2	AC110188	AC110188	Mus muscu
c 515	17	1.3	37034	2	AC102928	AC102928	Mus muscu	c 588	17	1.3	53714	2	AC101798	AC101798	Mus muscu
c 516	17	1.3	38271	2	AC100969	AC100969	Mus muscu	c 589	17	1.3	53967	2	AC101242	AC101242	Homo sapi
c 517	17	1.3	38316	2	AC008418	AC008418	Mus muscu	c 590	17	1.3	54134	2	AC101244	AC101244	Mus muscu
c 518	17	1.3	38362	2	AC097942	AC097942	Rattus no	c 591	17	1.3	54361	2	AC109178	AC109178	Mus muscu
c 519	17	1.3	38962	2	AC109503	AC109503	Mus muscu	c 592	17	1.3	54402	2	AC103361	AC103361	Mus muscu
c 520	17	1.3	39062	2	AC107880	AC107880	Homo sapi	c 593	17	1.3	54551	2	AC108808	AC108808	Mus muscu
c 521	17	1.3	39109	2	AC025107	AC025107	Homo sapi	c 594	17	1.3	54551	2	AC103155	AC103155	Rattus no
c 522	17	1.3	39935	2	AC107145	AC107145	Rattus no	c 595	17	1.3	54706	2	AC100048	AC100048	Mus muscu
c 523	17	1.3	39986	2	AC105174	AC105174	Mus muscu	c 596	17	1.3	54898	2	AC101851	AC101851	Mus muscu
c 524	17	1.3	40156	2	AC100852	AC100852	Homo sapi	c 597	17	1.3	54958	2	AC087405	AC087405	Mus muscu
c 525	17	1.3	40858	2	AC021816	AC021816	Homo sapi	c 598	17	1.3	55041	2	AC100046	AC100046	Homo sapi
c 526	17	1.3	41062	2	AC109290	AC109290	Mus muscu	c 599	17	1.3	55096	2	AC100894	AC100894	Mus muscu
c 527	17	1.3	41107	2	AC025943	AC025943	Homo sapi	c 600	17	1.3	55179	2	AC109255	AC109255	Mus muscu
c 528	17	1.3	41132	2	AC022741	AC022741	Homo sapi	c 601	17	1.3	55210	2	AC109257	AC109257	Mus muscu
c 529	17	1.3	41361	2	AC100106	AC100106	Mus muscu	c 602	17	1.3	55217	2	AC101358	AC101358	Mus muscu
c 530	17	1.3	41623	2	AC109253	AC109253	Mus muscu	c 603	17	1.3	55276	2	AC108425	AC108425	Mus muscu
c 531	17	1.3	41656	2	AC100134	AC100134	Mus muscu	c 604	17	1.3	55495	2	AC084007	AC084007	Homo sapi
c 532	17	1.3	41701	2	AC108634	AC108634	Rattus no	c 605	17	1.3	55518	2	AC110525	AC110525	Mus muscu
c 533	17	1.3	41724	2	AC110226	AC110226	Mus muscu	c 606	17	1.3	55742	2	AC087529	AC087529	Homo sapi
c 534	17	1.3	42241	2	CER0886	298854	Caenorhabdi	c 607	17	1.3	55823	2	AC040923	AC040923	Homo sapi
c 535	17	1.3	42271	2	AC100593	AC100593	Mus muscu	c 608	17	1.3	55884	2	AC108857	AC108857	Mus muscu
c 536	17	1.3	42722	2	AC015870	AC015870	Homo sapi	c 609	17	1.3	55943	2	AC087375	AC087375	Homo sapi
c 537	17	1.3	42849	2	AC107465	AC107465	Rattus no	c 610	17	1.3	55961	2	AC027765	AC027765	Homo sapi
c 538	17	1.3	43041	2	AC100149	AC100149	Mus muscu	c 611	17	1.3	56069	2	AC018631	AC018631	Drosophila
c 539	17	1.3	43201	2	AC100867	AC100867	Homo sapi	c 612	17	1.3	56292	2	AC109292	AC109292	Mus muscu
c 540	17	1.3	43638	2	AC015882	AC015882	Homo sapi	c 613	17	1.3	56336	2	AC101931	AC101931	Mus muscu
c 541	17	1.3	43902	2	AC010508	AC010508	Homo sapi	c 614	17	1.3	56559	2	AC008294	AC008294	Drosophila
c 542	17	1.3	44261	2	AC099891	AC099891	Mus muscu	c 615	17	1.3	56622	2	AC107997	AC107997	Homo sapi
c 543	17	1.3	44350	2	AC105099	AC105099	Homo sapi	c 616	17	1.3	56678	2	AC109254	AC109254	Mus muscu
c 544	17	1.3	44437	2	AC100102	AC100102	Mus muscu	c 617	17	1.3	56764	2	AC109227	AC109227	Mus muscu
c 545	17	1.3	44693	2	AC087338	AC087338	Homo sapi	c 618	17	1.3	56865	2	AC110186	AC110186	Mus muscu
c 546	17	1.3	44876	2	AC094172	AC094172	Rattus no	c 619	17	1.3	57051	2	AC084331	AC084331	Homo sapi
c 547	17	1.3	44988	2	AC106830	AC106830	Mus muscu	c 620	17	1.3	57109	2	AC060767	AC060767	Homo sapi
c 548	17	1.3	45210	2	AC087043	AC087043	Homo sapi	c 621	17	1.3	57144	2	AC100329	AC100329	Mus muscu
c 549	17	1.3	45809	2	AC016265	AC016265	Homo sapi	c 622	17	1.3	57144	2	AC108399	AC108399	Mus muscu
c 550	17	1.3	45912	2	AC091265	AC091265	Mus muscu	c 623	17	1.3	57275	2	AC074076	AC074076	Homo sapi
c 551	17	1.3	46555	2	AC100621	AC100621	Mus muscu	c 624	17	1.3	57293	2	AC079970	AC079970	Homo sapi
c 552	17	1.3	46579	2	AC109575	AC109575	Rattus no	c 625	17	1.3	57513	2	AC098434	AC098434	Rattus no
c 553	17	1.3	46690	2	AC100929	AC100929	Mus muscu	c 626	17	1.3	57518	2	AC101133	AC101133	Mus muscu
c 554	17	1.3	47043	2	AC109219	AC109219	Mus muscu	c 627	17	1.3	57586	2	AC110232	AC110232	Mus muscu
c 555	17	1.3	47226	2	AC105215	AC105215	Homo sapi	c 628	17	1.3	57655	2	AC100690	AC100690	Mus muscu
c 556	17	1.3	47850	2	AC100503	AC100503	Mus muscu	c 629	17	1.3	57730	2	AC108858	AC108858	Mus muscu
c 557	17	1.3	48818	2	AC102557	AC102557	Mus muscu	c 630	17	1.3	57877	2	AC100077	AC100077	Mus muscu
c 558	17	1.3	49063	2	AC101842	AC101842	Mus muscu	c 631	17	1.3	57900	2	AC106829	AC106829	Mus muscu
c 559	17	1.3	49084	2	AC106019	AC106019	Homo sapi	c 632	17	1.3	58058	2	AC105992	AC105992	Mus muscu
c 560	17	1.3	49105	2	AC067787	AC067787	Homo sapi	c 633	17	1.3	58258	2	AC100828	AC100828	Homo sapi
c 561	17	1.3	49393	2	AC104565	AC104565	Homo sapi	c 634	17	1.3	58274	2	AC084092	AC084092	Homo sapi
c 562	17	1.3	49535	2	AC100334	AC100334	Mus muscu	c 635	17	1.3	58288	2	AC101021	AC101021	Mus muscu
c 563	17	1.3	49802	2	AC102893	AC102893	Mus muscu	c 636	17	1.3	58496	2	AC101077	AC101077	Mus muscu
c 564	17	1.3	50028	2	AC105330	AC105330	Mus muscu	c 637	17	1.3	58517	2	AC101002	AC101002	Mus muscu
c 565	17	1.3	50132	2	AC104753	AC104753	Mus muscu	c 638	17	1.3	58536	2	AC109274	AC109274	Mus muscu
c 566	17	1.3	50165	2	AC101877	AC101877	Mus muscu	c 639	17	1.3	58547	2	AC110215	AC110215	Mus muscu
c 567	17	1.3	50224	2	AC110157	AC110157	Mus muscu	c 640	17	1.3	58552	2	AC110552	AC110552	Mus muscu
c 568	17	1.3	50500	2	AC100432	AC100432	Mus muscu	c 641	17	1.3	58623	2	AC101064	AC101064	Mus muscu
c 569	17	1.3	50699	2	AC107468	AC107468	Rattus no	c 642	17	1.3	58635	2	AC109164	AC109164	Mus muscu
c 570	17	1.3	50725	2	AC109177	AC109177	Mus muscu	c 643	17	1.3	58693	2	AC107875	AC107875	Homo sapi
c 571	17	1.3	50738	2	AC091080	AC091080	Homo sapi	c 644	17	1.3	58828	2	AC090931	AC090931	Homo sapi
c 572	17	1.3	50930	2	AC107974	AC107974	Homo sapi	c 645	17	1.3	58879	2	AC090350	AC090350	Homo sapi
c 573	17	1.3	51668	2	AC108819	AC108819	Mus muscu	c 646	17	1.3	58901	2	AC102509	AC102509	Mus muscu
c 574	17	1.3	51820	2	AC099967	AC099967	Mus muscu	c 647	17	1.3	58902	2	AC102053	AC102053	Mus muscu
c 575	17	1.3	51832	2	AC101875	AC101875	Mus muscu	c 648	17	1.3	58970	2	AC011863	AC011863	Homo sapi
c 576	17	1.3	51882	2	AC107846	AC107846	Mus muscu	c 649	17	1.3	59013	2	AC102793	AC102793	Mus muscu
c 577	17	1.3	51918	2	AC104201	AC104201	Mus muscu	c 650	17	1.3	59043	2	AC100881	AC100881	Mus muscu
c 578	17	1.3	52000	2	AC101348	AC101348	Mus muscu	c 651	17	1.3	59147	2	AC100014	AC100014	Mus muscu
c 579	17	1.3	52122	2	AC011861	AC011861	Homo sapi	c 652	17	1.3	59205	2	AC084254	AC084254	Homo sapi
c 580	17	1.3	52290	2	AC025314	AC025314	Homo sapi	c 653	17	1.3	59219	2	AC090585	AC090585	Homo sapi
c 581	17	1.3	52359	2	AC010772	AC010772	Homo sapi	c 654	17	1.3	59247	2	AC015645	AC015645	Homo sapi
c 582	17	1.3	52675	2	AC103409	AC103409	Homo sapi	c 655	17	1.3	59446	2	AC099952	AC099952	Mus muscu
c 583	17	1.3	52840	2	AC101934	AC101934	Mus muscu	c 656	17	1.3	59461	2	AC011889	AC011889	Homo sapi
c 584	17	1.3	52947	2	AC068354	AC068354	Homo sapi	c 657	17	1.3	59469	2	AC101150	AC101150	Mus muscu

c 658	17	1.3	59663	2	AC107241	Homo sapi	c 731	17	1.3	64737	2	AC104382	AC104382	Homo sapi
c 659	17	1.3	59806	2	AC102351	Mus muscu	c 732	17	1.3	64800	2	AC101863	AC101863	Mus muscu
c 660	17	1.3	60004	2	AC103601	AC103601	c 733	17	1.3	64831	2	AC102214	AC102214	Mus muscu
c 661	17	1.3	60031	2	AC087670	AC087670	c 734	17	1.3	64855	2	AC102468	AC102468	Mus muscu
c 662	17	1.3	60079	2	AC100183	AC100183	c 735	17	1.3	65000	2	AC090238	AC090238	Mus muscu
c 663	17	1.3	60116	2	AC109238	AC109238	c 736	17	1.3	65000	2	AC100041	AC100041	Mus muscu
c 664	17	1.3	60136	2	AC087480	AC087480	c 737	17	1.3	65053	2	AC101795	AC101795	Mus muscu
c 665	17	1.3	60322	2	AC099885	AC099885	c 738	17	1.3	65076	2	AC110538	AC110538	Mus muscu
c 666	17	1.3	60481	2	AC102766	AC102766	c 739	17	1.3	65112	2	AC100982	AC100982	Mus muscu
c 667	17	1.3	60505	2	AC102895	AC102895	c 740	17	1.3	65252	2	AC110176	AC110176	Mus muscu
c 668	17	1.3	60580	2	AC101218	AC101218	c 741	17	1.3	65264	2	AC100794	AC100794	Mus muscu
c 669	17	1.3	60685	2	AC104355	AC104355	c 742	17	1.3	65280	2	AC100898	AC100898	Mus muscu
c 670	17	1.3	60928	2	AC103830	AC103830	c 743	17	1.3	65347	2	AC102307	AC102307	Mus muscu
c 671	17	1.3	60932	2	AC107945	AC107945	c 744	17	1.3	65348	2	AC102438	AC102438	Mus muscu
c 672	17	1.3	60967	2	AC100246	AC100246	c 745	17	1.3	65389	2	AC107730	AC107730	Mus muscu
c 673	17	1.3	60972	2	AC101241	AC101241	c 746	17	1.3	65434	2	AC101467	AC101467	Mus muscu
c 674	17	1.3	61006	2	AC104001	AC104001	c 747	17	1.3	65462	2	AC102517	AC102517	Mus muscu
c 675	17	1.3	61006	2	AC104001	AC104001	c 748	17	1.3	65478	2	AC101944	AC101944	Mus muscu
c 676	17	1.3	61138	2	AC110544	AC110544	c 749	17	1.3	65493	2	AC102851	AC102851	Mus muscu
c 677	17	1.3	61146	2	AC101242	AC101242	c 750	17	1.3	65531	2	AC102187	AC102187	Mus muscu
c 678	17	1.3	61173	2	AC107945	AC107945	c 751	17	1.3	65530	2	AC011923	AC011923	Mus muscu
c 679	17	1.3	61175	2	AC110263	AC110263	c 752	17	1.3	65599	2	AC090782	AC090782	Mus muscu
c 680	17	1.3	61232	2	AC084029	AC084029	c 753	17	1.3	65624	2	AC109176	AC109176	Mus muscu
c 681	17	1.3	61251	2	AC101771	AC101771	c 754	17	1.3	65638	2	AC068516	AC068516	Mus muscu
c 682	17	1.3	61368	2	AC101337	AC101337	c 755	17	1.3	65690	2	AC107752	AC107752	Mus muscu
c 683	17	1.3	61383	2	AC110542	AC110542	c 756	17	1.3	65755	2	AC011160	AC011160	Mus muscu
c 684	17	1.3	61490	2	AC025630	AC025630	c 757	17	1.3	65806	2	AC102410	AC102410	Mus muscu
c 685	17	1.3	61536	2	AC103721	AC103721	c 758	17	1.3	65816	2	AC105194	AC105194	Mus muscu
c 686	17	1.3	61559	2	AC080045	AC080045	c 759	17	1.3	65878	2	AC090767	AC090767	Mus muscu
c 687	17	1.3	61802	2	AC101970	AC101970	c 760	17	1.3	65892	2	AC103599	AC103599	Mus muscu
c 688	17	1.3	61830	2	AC100979	AC100979	c 761	17	1.3	65969	2	AC101741	AC101741	Mus muscu
c 689	17	1.3	61925	2	AC101834	AC101834	c 762	17	1.3	66047	2	AC110272	AC110272	Mus muscu
c 690	17	1.3	61940	2	AC109312	AC109312	c 763	17	1.3	66074	2	AC101807	AC101807	Mus muscu
c 691	17	1.3	62077	2	AC027091	AC027091	c 764	17	1.3	66084	2	AC100383	AC100383	Mus muscu
c 692	17	1.3	62105	2	AC084139	AC084139	c 765	17	1.3	66086	2	AC101243	AC101243	Mus muscu
c 693	17	1.3	62198	2	AC013832	AC013832	c 766	17	1.3	66111	2	AC101740	AC101740	Mus muscu
c 694	17	1.3	62271	2	AC100214	AC100214	c 767	17	1.3	66137	2	AC101526	AC101526	Mus muscu
c 695	17	1.3	62289	2	AC102411	AC102411	c 768	17	1.3	66152	2	AC090613	AC090613	Mus muscu
c 696	17	1.3	62305	2	AC090546	AC090546	c 769	17	1.3	66191	2	AC107608	AC107608	Mus muscu
c 697	17	1.3	62379	2	AC102721	AC102721	c 770	17	1.3	66227	2	AC026534	AC026534	Rattus no
c 698	17	1.3	62466	2	AC083998	AC083998	c 771	17	1.3	66330	2	AC101316	AC101316	Mus muscu
c 699	17	1.3	62470	2	AC015828	AC015828	c 772	17	1.3	66334	2	AC102196	AC102196	Mus muscu
c 700	17	1.3	62501	2	AC101332	AC101332	c 773	17	1.3	66348	2	AC025016	AC025016	Mus muscu
c 701	17	1.3	62722	2	AC100493	AC100493	c 774	17	1.3	66393	2	AC100424	AC100424	Mus muscu
c 702	17	1.3	62723	2	AC100651	AC100651	c 775	17	1.3	66415	2	AC105323	AC105323	Mus muscu
c 703	17	1.3	62765	2	AC100216	AC100216	c 776	17	1.3	66442	2	AC101865	AC101865	Mus muscu
c 704	17	1.3	62846	2	AC084174	AC084174	c 777	17	1.3	66489	2	AC100766	AC100766	Mus muscu
c 705	17	1.3	62894	2	AC069167	AC069167	c 778	17	1.3	66505	2	AC102041	AC102041	Mus muscu
c 706	17	1.3	62954	2	AC102036	AC102036	c 779	17	1.3	66506	2	AP001861	AP001861	Mus muscu
c 707	17	1.3	63064	2	AC103940	AC103940	c 780	17	1.3	66733	2	AC090663	AC090663	Mus muscu
c 708	17	1.3	63100	2	AC103936	AC103936	c 781	17	1.3	66736	2	AC100221	AC100221	Mus muscu
c 709	17	1.3	63398	2	AC102456	AC102456	c 782	17	1.3	66737	2	AC103828	AC103828	Mus muscu
c 710	17	1.3	63527	2	AC102605	AC102605	c 783	17	1.3	66797	2	AC084718	AC084718	Mus muscu
c 711	17	1.3	63540	2	AC101468	AC101468	c 784	17	1.3	66836	2	AC016492	AC016492	Mus muscu
c 712	17	1.3	63600	2	AC101405	AC101405	c 785	17	1.3	66850	2	AC103808	AC103808	Mus muscu
c 713	17	1.3	63632	2	AC108792	AC108792	c 786	17	1.3	66868	2	AC069377	AC069377	Mus muscu
c 714	17	1.3	63739	2	AC087621	AC087621	c 787	17	1.3	66871	2	AC108790	AC108790	Mus muscu
c 715	17	1.3	63739	2	AC102458	AC102458	c 788	17	1.3	66902	2	AC107799	AC107799	Mus muscu
c 716	17	1.3	63769	2	AC079334	AC079334	c 789	17	1.3	67024	2	AC102715	AC102715	Mus muscu
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c 720	17	1.3	63959	2	AC107833	AC107833	c 793	17	1.3	67105	2	AC104033	AC104033	Mus muscu
c 721	17	1.3	64114	2	AC104944	AC104944	c 794	17	1.3	67176	2	AC101326	AC101326	Mus muscu
c 722	17	1.3	64117	2	AC110571	AC110571	c 795	17	1.3	67214	2	AC101561	AC101561	Mus muscu
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c 724	17	1.3	64366	2	AC103635	AC103635	c 797	17	1.3	67322	2	AC102007	AC102007	Mus muscu
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c 727	17	1.3	64573	2	AC100511	AC100511	c 800	17	1.3	67378	2	AC110028	AC110028	Mus muscu
c 728	17	1.3	64628	2	AC100288	AC100288	c 801	17	1.3	67499	2	AC101967	AC101967	Mus muscu
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 AC025301 Homo sapi
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 AC109187 Mus muscu
 AC101199 Mus muscu
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 AC101946 Mus muscu
 AC090728 Homo sapi
 AC101573 Mus muscu
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 AC100521 Mus muscu
 AC025641 Homo sapi
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 AC109229 Mus muscu
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 AC102185 Mus muscu
 AC101585 Mus muscu
 AC018480 Drosophil
 AL133495 Mus muscu
 AC102256 Mus muscu
 AC101577 Mus muscu
 AC084204 Homo sapi
 AC015877 Homo sapi
 AC103059 Rattus no
 AC101297 Mus muscu
 AC024393 Homo sapi
 AC021969 Homo sapi
 AC105818 Rattus no
 AC067977 Homo sapi
 AC027549 Homo sapi
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 AC016362 Homo sapi
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 AC091376 Rattus no
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Qy	1021	ntnnngcangtcngngnagnatgcnntncaatggnnnaatgattaantatgcnntna	1080
Db	1021	NTNNNGCANTTNGCNGGNAGNTATGCNNTNCAATGNNNNATGATTAAATATGCNNTNNA	1080
Qy	1081	ncatnnatnnangntanaaatcttntatggnnttagnggtntantttannngangcngca	1140
Db	1081	NCATNNATNNANGNTANAATTTNTATGNNTTAGNGGTNANTTTANNANGANGCNGCA	1140
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Db	1141	AGATGNGNGGTNTNTNAANTTNAAAAANGGNTNNATGCGANGNTNTNGTANGTTGG	1200
Qy	1201	ngantntntaaacnnaanaancnntntannnnnnntatannncantnaaaaaannt	1260
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Qy	1261	nnannnnnnnnntannnnnnnnnnnnnnnnnnnnnnnnnnnnnnnaatgaattacaga	1320
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Db	1321	GTTAANNN 1328	
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LOCUS	A97468	44 bp	linear
DEFINITION	Sequence 24 from Patent WO9916780.		
ACCESSION	A97468		
VERSION	A97468.1	GI:6780814	
KEYWORDS	unidentified.		
SOURCE	unclassified.		
ORGANISM	unclassified.		
REFERENCE	1 (bases 1 to 44)		
AUTHORS	Gala, J. and Vannuffel, P.		
TITLE	GENETIC SEQUENCES, DIAGNOSTIC AND/OR QUANTIFICATION METHODS AND DEVICES FOR THE IDENTIFICATION OF STAPHYLOCOCCI STRAINS		
JOURNAL	Patent: WO 9916780-A, 24.08-APR-1999;		
FEATURES	GALA JEAN LUC (BE); UNIV LOUVAIN (BE)		
Source	Location/Qualifiers		
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ORIGIN	/organism="unidentified" /db_xref="taxon:32644"		
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Matches 44; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
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Db	1	TTTANNGANGCNGCAAGATNGNGGTNTNNAANTNAAAAA	44
RESULT 3			
LOCUS	A97454	43 bp	linear
DEFINITION	Sequence 10 from Patent WO9916780.		
ACCESSION	A97454		
VERSION	A97454.1	GI:6780800	
KEYWORDS	unidentified.		
SOURCE	unidentified.		

FEATURES GALA JEAN LUC (BE); UNIV LOUVAIN (BE)
source Location/Qualifiers
1. .37
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/db_xref="taxon:32644"
BASE COUNT 13 a 1 c 6 g 7 t 10 others
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Best Local Similarity 100.0%; Pred. No. 1.5e-13;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 141 tagtngnatnaanaanaanaangangnatgac 177
Db 1 TAGTNGNATNANANANANATNANGANGNATGTC 37

RESULT 6
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LOCUS A97446
DEFINITION Sequence 2 from Patent WO9916780.
ACCESSION A97446
VERSION A97446.1 GI:6780792
KEYWORDS
SOURCE unidentified.
ORGANISM unidentified.
REFERENCE 1 (bases 1 to 35)
AUTHORS Gala,J. and Vannuffel,P.
TITLE GENETIC SEQUENCES, DIAGNOSTIC AND/OR QUANTIFICATION METHODS AND DEVICES FOR THE IDENTIFICATION OF STAPHYLOCOCCI STRAINS
JOURNAL Patent: WO 9916780-A 2 08-APR-1999;
GALA JEAN LUC (BE); UNIV LOUVAIN (BE)
FEATURES Location/Qualifiers
source 1. .35
/organism="unidentified"
/db_xref="taxon:32644"
BASE COUNT 12 a 3 c 3 g 9 t 8 others
ORIGIN

Query Match 2.6%; Score 35; DB 6; Length 35;
Best Local Similarity 100.0%; Pred. No. 3.4e-12;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 anaatgaantttacnaatttncngcnaagant 48
Db 1 ANAATGAANTTTACNAAATTTCNCGNANAGANTT 35

RESULT 7
A97452 35 bp DNA linear PAT 26-JAN-2000
LOCUS A97452
DEFINITION Sequence 8 from Patent WO9916780.
ACCESSION A97452
VERSION A97452.1 GI:6780798
KEYWORDS
SOURCE unidentified.
ORGANISM unidentified.
REFERENCE 1 (bases 1 to 35)
AUTHORS Gala,J. and Vannuffel,P.
TITLE GENETIC SEQUENCES, DIAGNOSTIC AND/OR QUANTIFICATION METHODS AND DEVICES FOR THE IDENTIFICATION OF STAPHYLOCOCCI STRAINS
JOURNAL Patent: WO 9916780-A 8 08-APR-1999;
GALA JEAN LUC (BE); UNIV LOUVAIN (BE)
FEATURES Location/Qualifiers
source 1. .35
/organism="unidentified"
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BASE COUNT 8 a 3 c 3 g 13 t 8 others
ORIGIN

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Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 197 gtncngnatgaanaantttanaantttatc 231
Db 1 GTNCNGNATGAAANTTTNANTANTTTATTC 35

RESULT 8
A97467 35 bp DNA linear PAT 26-JAN-2000
LOCUS A97467
DEFINITION Sequence 23 from Patent WO9916780.
ACCESSION A97467
VERSION A97467.1 GI:6780813
KEYWORDS
SOURCE unidentified.
ORGANISM unidentified.
REFERENCE 1 (bases 1 to 35)
AUTHORS Gala,J. and Vannuffel,P.
TITLE GENETIC SEQUENCES, DIAGNOSTIC AND/OR QUANTIFICATION METHODS AND DEVICES FOR THE IDENTIFICATION OF STAPHYLOCOCCI STRAINS
JOURNAL Patent: WO 9916780-A 23 08-APR-1999;
GALA JEAN LUC (BE); UNIV LOUVAIN (BE)
FEATURES Location/Qualifiers
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/db_xref="taxon:32644"
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ORIGIN

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Best Local Similarity 100.0%; Pred. No. 3.4e-12;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1040 agntatgcnttncatggnatgattatgac 1074
Db 1 AGNTATGCNNTNCATGGNATGATTATGATGTC 35

RESULT 9
A97459 32 bp DNA linear PAT 26-JAN-2000
LOCUS A97459
DEFINITION Sequence 15 from Patent WO9916780.
ACCESSION A97459
VERSION A97459.1 GI:6780805
KEYWORDS
SOURCE unidentified.
ORGANISM unidentified.
REFERENCE 1 (bases 1 to 32)
AUTHORS Gala,J. and Vannuffel,P.
TITLE GENETIC SEQUENCES, DIAGNOSTIC AND/OR QUANTIFICATION METHODS AND DEVICES FOR THE IDENTIFICATION OF STAPHYLOCOCCI STRAINS
JOURNAL Patent: WO 9916780-A 15 08-APR-1999;
GALA JEAN LUC (BE); UNIV LOUVAIN (BE)
FEATURES Location/Qualifiers
source 1. .32
/organism="unidentified"
/db_xref="taxon:32644"
BASE COUNT 16 a 2 c 4 g 1 t 9 others
ORIGIN

Query Match 2.4%; Score 32; DB 6; Length 32;
Best Local Similarity 100.0%; Pred. No. 3.7e-10;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 818 aanganatnganaaangncnganaaaaaa 849

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Db 1 AANGANATNGAANAANGCNGAANAANAAAA 32
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RESULT 10
LOCUS A97466 32 bp DNA linear PAT 26-JAN-2000
DEFINITION Sequence 22 from Patent WO9916780.
ACCESSION A97466
VERSION A97466.1 GI:6780812
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
source
BASE COUNT 6 a 3 c 8 g 8 t 7 others
ORIGIN

Query Match 2.4%; Score 32; DB 6; Length 32;
Best Local Similarity 100.0%; Pred. No. 3.7e-10;
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RESULT 11
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DEFINITION Sequence 5 from Patent WO9916780.
ACCESSION A97449
VERSION A97449.1 GI:6780795
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
source
BASE COUNT 7 a 4 c 2 g 4 t 8 others
ORIGIN

Query Match 1.9%; Score 25; DB 6; Length 25;
Best Local Similarity 100.0%; Pred. No. 2e-05;
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RESULT 12
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AC107183
VERSION AC107183.1 GI:18158341
KEYWORDS HTG: HTGS_PHASE1.
SOURCE Norway rat.
ORGANISM Rattus norvegicus
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
source
BASE COUNT 7 a 4 c 2 g 4 t 8 others
ORIGIN

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Best Local Similarity 100.0%; Pred. No. 2e-05;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 12
LOCUS AC107183/c 13139 bp DNA linear HTG 16-JAN-2002
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DEFINITION Rattus norvegicus clone CH230-121F14, *** SEQUENCING IN PROGRESS
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VERSION AC107183.1 GI:18158341
KEYWORDS HTG: HTGS_PHASE1.
SOURCE Norway rat.
ORGANISM Rattus norvegicus
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
source
BASE COUNT 7 a 4 c 2 g 4 t 8 others
ORIGIN

Query Match 1.9%; Score 25; DB 6; Length 25;
Best Local Similarity 100.0%; Pred. No. 2e-05;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 68 atgncnnanagncatttnacncana 92
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Db 1 ATGNCNNANAGNCATTTNACNCANA 25
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TITLE
JOURNAL
AUTHORS
REFERENCE
JOURNAL
COMMENT
Center: Baylor College of Medicine
Center code: BCM
Web site: http://www.hgsc.bcm.tmc.edu/
Contact: hgsc-help@bcm.tmc.edu
----- Project Information
Center project name: GPGP
Center clone name: CH230-121F14
----- Summary Statistics
Sequencing vector: Plasmid; M7789
Assembly: Dye-terminator Big Dye; 97% of reads
Assembly program: Phrap; version 0.990329First call to findphrapList
Consensus quality: 10722 bases at least Q40
Consensus quality: 12181 bases at least Q30

```

Consensus quality: 13502 bases at least Q20
 Estimated insert size: 9083; sum-of-contrigs estimation
 Quality coverage: 0x in Q20 bases; agarose-gel estimation
 Quality coverage: 0.1x in Q20 bases; sum-of-contrigs estimation

* NOTE: Estimated insert size may differ from sequence length
 * (see http://www.hgsc.bcm.tmc.edu/docs/genbank/draft_data.html).
 * NOTE: This is a 'working draft' sequence. It currently
 * consists of 9 contrigs. The true order of the pieces
 * is not known and their order in this sequence record is
 * arbitrary. Gaps between the contrigs are represented as
 * runs of N, but the exact sizes of the gaps are unknown.
 * This record will be updated with the finished sequence
 * as soon as it is available and the accession number will
 * be preserved.

1 1384: contrig of 1384 bp in length
 * 1385 1484: gap of unknown length
 * 1485 3017: contrig of 1533 bp in length
 * 3018 3117: gap of unknown length
 * 3118 4473: contrig of 1356 bp in length
 * 4474 4574: gap of unknown length
 * 4574 5627: contrig of 1054 bp in length
 * 5628 5727: gap of unknown length
 * 5728 7171: contrig of 1444 bp in length
 * 7172 7271: gap of unknown length
 * 7272 8548: contrig of 1277 bp in length
 * 8549 10197: gap of unknown length
 * 10198 10287: gap of unknown length
 * 10298 11848: contrig of 1551 bp in length
 * 11849 11949: gap of unknown length
 * 11949 13139: contrig of 1191 bp in length.

FEATURES
 source 1. 13139
 /organism="Rattus norvegicus"
 /db_xref="taxon:10116"
 /clone="CH230-121F14"

BASE COUNT 3570 a 2577 c 2844 g 3232 t 916 others
 ORIGIN

Query Match 1.9%; Score 25; DB 2; Length 13139;
 Best Local Similarity 100.0%; Pred. No. 3.7e-06;
 Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1282 aaaaaaaaaaaaaaaaaaaaaa 1306
 Db 4331 aaaaaaaaaaaaaaaaaaaaaa 4307

RESULT 13
 AC108260 59240 bp DNA linear HTG 27-JAN-2002
 LOCUS Rattus norvegicus clone CH230-190K14, *** SEQUENCING IN PROGRESS
 DEFINITION *** 46 unordered pieces.
 AC108260
 VERSION AC108260.1 GI:18377040
 KEYWORDS HTG; HTGS_PHASE1.
 SOURCE Norway rat.
 ORGANISM Rattus norvegicus
 Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
 Rattus.

REFERENCE
 AUTHORS 1 (bases 1 to 59240)
 Muzny,D.M., Adams,C., Adio-Oduola,B., Ali-osman,F.R., Allen,C.,
 Alshrocks,S.L., Amarantunge,H.C., Are,J.R., Ayele,M., Banks,T.,
 Barabara,J., Benton,J., Blmage,K., Blankenburg,K., Bonnin,D.,
 Bouck,J., Bowles,S., Brieva,M., Brown,E., Brown,M., Bryant,N.P.,
 Buhaq,C., Burck,P., Burkett,C., Butrell,K.L., Byrd,N.C.,
 Cartron,T.F., Carter,M., Cavazos,S.R., Chacko,J., Chavez,D.,
 Chen,G., Chen,R., Chen,Z., Chowdhury,I., Christopoulos,C.,
 Cleveland,C.D., Cox,C., Coyle,M.D., Dathorne,S.R., David,R.,
 Davila,M.L., Davis,C., Davy-Carroll,L., Dederich,D.A.,

TITLE
 JOURNAL
 REFERENCE
 AUTHORS
 TITLE
 JOURNAL

COMMENT

Delaney,K.R., Delgado,O., Denn,A.L., Ding,Y., Dinh,H.H.,
 Douthwaite,K.J., Draper,H., Dugan-Rocha,S., Durbin,K.J.,
 Earhart,C., Edgar,D., Edwards,C.C., Elhaj,C., Escotto,M.,
 Falls,T., Ferraguto,D., Flagg,N., Ford,J., Foster,P., Frantz,P.,
 Gabisi,A., Gao,J., Garcia,A., Garner,T., Garza,N., Gill,R.,
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 Jacobson,B., Jia,Y., Johnson,R., Jollivet,S., Joudah,S.,
 Karlsson,E., Kelly,S., Khan,U., King,L., Korvah,J., Kover,C.,
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 Moser,M., Neal,D., Newton,J., Newton,N., Nguyen,A., Nguyen,N.,
 Nguyen,N., Nickerson,E., Nwokenkwo,S., Ogun,M., Okunolu,G.,
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 Peters,L., Pickens,R., Pimus,E., Pu,L.L., Qules,M., Ren,Y.,
 Rivers,M., Rojas,A., Rojubokan,I., Rolfe,M., Ruiz,S., Savery,G.,
 Scherer,S., Scott,G., Shen,H., Shoostari,N., Sisson,I.,
 Sodergren,E., Sonalke,T., Sparks,A., Stanley,H., Stone,H.,
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 Tansley,J., Taylor,C., Taylor,T., Telford,B., Thomas,N., Thomas,S.,
 Umani,K., Vasquez,L., Vera,V., Villalob,D., Vinson,R., Wall,R.,
 Wang,S., Ward-Moore,S., Warren,R., Washington,C., Watlington,S.,
 Williams,G., Williamson,A., Wlaczek,R., Wooden,S., Worley,K.,
 Wu,C., Wu,Y., Wu,Y.F., Zhou,J., Zorrilla,S., Nelson,D.,
 Weinstein,G., and Glibbs,R.
 Direct Submission
 2 (bases 1 to 59240)
 Worley,K.C.
 Direct Submission
 Submitted (27-JAN-2002) Human Genome Sequencing Center, Department
 of Molecular and Human Genetics, Baylor College of Medicine, One
 Baylor Plaza, Houston, TX 77030, USA
 ----- Genome Center

Center: Baylor College of Medicine
 Center code: BCM
 Web site: <http://www.hgsc.bcm.tmc.edu/>
 Contact: hgsc-help@bcm.tmc.edu
 ----- Project Information
 Center project name: GM2I
 Center clone name: CH230-190K14
 ----- Summary Statistics
 Chemistry: Dye-terminator Big Dye; 99% of reads
 Assembly program: Phrap; version 0.990329first call to
 findPhraplist
 Consensus quality: 32577 bases at least Q40
 Consensus quality: 36104 bases at least Q30
 Consensus quality: 38234 bases at least Q20
 Estimated insert size: 21683; sum-of-contrigs estimation
 Quality coverage: 0x in Q20 bases; agarose-gel estimation
 Quality coverage: 0.2x in Q20 bases; sum-of-contrigs estimation

* NOTE: Estimated insert size may differ from sequence length.
 * (see http://www.hgsc.bcm.tmc.edu/docs/genbank/draft_data.html).
 * NOTE: This is a 'working draft' sequence. It currently
 * consists of 46 contrigs. The true order of the pieces
 * is not known and their order in this sequence record is
 * arbitrary. Gaps between the contrigs are represented as
 * runs of N, but the exact sizes of the gaps are unknown.
 * This record will be updated with the finished sequence
 * as soon as it is available and the accession number will
 * be preserved.

1 896: contrig of 896 bp in length
 * 897 996: gap of unknown length
 * 997 1888: contrig of 892 bp in length
 * 1889 1989: gap of unknown length
 * 1989 2937: contrig of 949 bp in length


```

* 2366 2465: gap of unknown length
* 2466 3550: contig of 1085 bp in length
* 3551 3650: gap of unknown length
* 3651 5170: contig of 1520 bp in length
* 5171 5270: gap of unknown length
* 5271 6565: contig of 1295 bp in length
* 6566 8023: gap of unknown length
* 8024 8123: contig of 1358 bp in length
* 8124 9184: gap of unknown length
* 9185 9294: contig of 1071 bp in length
* 9295 11152: contig of 1858 bp in length
* 11153 11252: gap of unknown length
* 11253 12495: contig of 1243 bp in length
* 12496 12595: gap of unknown length
* 12596 13771: contig of 1176 bp in length
* 13772 13871: gap of unknown length
* 13872 15456: contig of 1585 bp in length
* 15457 15556: gap of unknown length
* 15557 17476: contig of 1920 bp in length
* 17477 17576: gap of unknown length
* 17577 18865: contig of 1289 bp in length
* 18866 18965: gap of unknown length
* 18966 20345: contig of 1380 bp in length
* 20346 20445: gap of unknown length
* 20446 21857: contig of 1412 bp in length
* 21858 21957: gap of unknown length
* 21958 24260: contig of 2303 bp in length
* 24261 24360: gap of unknown length
* 24361 25733: contig of 1373 bp in length
* 25734 25833: gap of unknown length
* 25834 27683: contig of 1750 bp in length
* 27684 29598: gap of unknown length
* 29599 29698: gap of unknown length
* 29699 32020: contig of 2322 bp in length
* 32021 32120: gap of unknown length
* 32121 34325: contig of 2205 bp in length
* 34326 37026: contig of 2601 bp in length
* 37027 37126: gap of unknown length
* 37127 39043: contig of 1917 bp in length
* 39044 39143: gap of unknown length
* 39144 40727: contig of 1584 bp in length
* 40728 40827: gap of unknown length
* 40828 42654: contig of 1827 bp in length
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* 42755 45027: contig of 2273 bp in length
* 45028 45127: gap of unknown length
* 45128 47695: contig of 2568 bp in length
* 47696 47795: gap of unknown length
* 47796 50748: contig of 2953 bp in length
* 50749 50848: gap of unknown length
* 50849 52227: contig of 1379 bp in length
* 52228 52327: gap of unknown length
* 52328 54082: contig of 1755 bp in length
* 54083 54182: gap of unknown length
* 54183 57029: contig of 2847 bp in length
* 57030 57129: gap of unknown length
* 57130 60259: contig of 3130 bp in length
* 60260 60359: gap of unknown length
* 60360 64505: contig of 4446 bp in length
* 64506 64605: gap of unknown length
* 64606 70056: contig of 5451 bp in length
* 70057 70156: gap of unknown length
* 70157 75954: contig of 5798 bp in length
* 75955 76054: gap of unknown length
* 76055 81464: contig of 5410 bp in length
* 81465 81564: gap of unknown length
* 81565 87781: contig of 6217 bp in length
* 87782 94743: gap of unknown length
* 94744 94843: gap of unknown length

```

```

FEATURES
source
* 94844 102209: contig of 7366 bp in length
* 102210 102309: gap of unknown length
* 102310 107145: contig of 4836 bp in length
* 107146 107245: gap of unknown length
* 107246 114459: contig of 7214 bp in length
* 114460 114559: gap of unknown length
* 114560 122928: contig of 8368 bp in length
* 122928 124083: contig of 1056 bp in length.
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1. 124083
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/db_xref="taxon:9606"
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1. 1221
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2466. 3550
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3651. 5170
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5271. 6565
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8124. 9194
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9295. 11152
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GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 22, 2002, 05:51:01 ; Search time 241.5 Seconds
(without alignments)
9441.252 Million cell updates/sec

Title: us-09-509-234c-1
Perfect score: 1328
Sequence: 1 nnnnnnnnnnnnaatga.....gaaattacagagttaannn 1328

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 1736436 seqs, 858457221 residues

Word size : 15

Total number of hits satisfying chosen parameters: 454

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : N_Geneseq_032802.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	1328	100.0	1328	20	Staphylococcus sp.
2	44	3.3	44	20	Staphylococcus sp.
3	43	3.2	43	20	Staphylococcus sp.
4	40	3.0	40	20	Staphylococcus sp.
5	37	2.8	37	20	Staphylococcus sp.
6	35	2.6	35	20	Staphylococcus sp.
7	35	2.6	35	20	Staphylococcus sp.
8	35	2.6	35	20	Staphylococcus sp.
9	32	2.4	32	20	Staphylococcus sp.

10	32	2.4	32	20	Staphylococcus sp.
11	25	1.9	25	20	Staphylococcus sp.
12	24	1.8	413	22	Human polynucleoti
13	24	1.8	788	20	Human gene express
14	23	1.7	737	19	Stealth virus plas
15	23	1.7	737	19	Stealth virus nucl
16	23	1.7	861	22	Human neuroblastom
17	22	1.7	861	22	Staphylococcus sp.
18	22	1.7	416	22	Human polynucleoti
19	22	1.7	1481	21	Human colon cancer
20	21	1.6	801	22	Human neuroblastom
21	20	1.5	20	20	Staphylococcus sp.
22	20	1.5	20	20	Staphylococcus sp.
23	20	1.5	742	20	EST clone CJ420.
24	19	1.4	19	20	Staphylococcus sp.
25	19	1.4	756	21	Human colon cancer
26	19	1.4	980	21	Human colon cancer
27	19	1.4	990	21	Aspergillus oryzae
28	19	1.4	1221	18	Staphylococcus aur
29	19	1.4	1251	15	Staphylococcus epi
30	19	1.4	1254	22	S. epidermidis ope
31	19	1.4	1257	23	Staphylococcus aur
32	19	1.4	1260	20	Staphylococcus aur
33	19	1.4	1260	23	Staphylococcus aur
34	19	1.4	1260	23	Staphylococcus cap
35	19	1.4	1283	20	Staphylococcus sci
36	19	1.4	1284	20	Staphylococcus xyl
37	19	1.4	1295	20	Staphylococcus sch
38	19	1.4	1297	20	Staphylococcus hae
39	19	1.4	1305	20	S. epidermidis gen
40	19	1.4	4434	22	Staphylococcus aur
41	19	1.4	6022	18	Staphylococcus sp.
42	18	1.4	18	20	Staphylococcus sp.
43	18	1.4	29	20	Human polynucleoti
44	18	1.4	439	22	Human polynucleoti
45	18	1.4	612	22	Staphylococcus aur
46	18	1.4	627	18	Human gene express
47	18	1.4	775	20	Human gene express
48	18	1.4	847	20	Human polynucleoti
49	18	1.4	854	22	Human neuroblastom
50	18	1.4	895	22	Human colon cancer
51	18	1.4	939	21	Hammerhead ribozym
52	18	1.4	1023	18	Staphylococcus sap
53	18	1.4	1371	20	Staphylococcus aur
54	18	1.4	6804	18	Primer B766, to ge
55	17	1.3	53	15	Human polynucleoti
56	17	1.3	384	22	Human polynucleoti
57	17	1.3	409	22	Human polynucleoti
58	17	1.3	428	22	Aspergillus oryzae
59	17	1.3	672	21	Staphylococcus aur
60	17	1.3	704	18	Human colon cancer
61	17	1.3	733	21	Human colon cancer
62	17	1.3	740	21	Human gene express
63	17	1.3	749	20	Human gene express
64	17	1.3	755	24	Rat secreted facto
65	17	1.3	776	20	Human gene express
66	17	1.3	776	20	Human validated ca
67	17	1.3	789	20	Human gene express
68	17	1.3	793	20	Human gene express
69	17	1.3	804	20	Human gene express
70	17	1.3	833	20	Human gene express
71	17	1.3	833	20	Human validated ca
72	17	1.3	863	22	Human neuroblastom
73	17	1.3	865	20	Human gene express
74	17	1.3	973	22	Proliferative glom
75	17	1.3	1044	21	Human gene express
76	17	1.3	1082	21	Human colon cancer
77	17	1.3	1140	21	Aspergillus oryzae
78	17	1.3	1176	21	Aspergillus oryzae
79	17	1.3	1186	21	Human colon cancer
80	17	1.3	1188	21	Aspergillus oryzae
81	17	1.3	1280	20	Staphylococcus lug
82	17	1.3	1498	18	Staphylococcus aur

83	17	1.3	2067	22	AAS56381	Human cDNA for an
84	17	1.3	7900	18	AAV74449	Staphylococcus aur
85	17	1.3	10322	18	AAV74409	Staphylococcus aur
86	16	1.2	222	6	AAAS0757	Sequence of the hu
87	16	1.2	268	21	AAA01235	Human colon cancer
88	16	1.2	287	22	AAI11577	Human breast cancer
89	16	1.2	293	20	AAK98663	Human cancer cell
90	16	1.2	298	22	AAI84740	Human polynucleoti
91	16	1.2	301	22	AAH73288	Human cervical can
92	16	1.2	323	18	AAV78716	Staphylococcus aur
93	16	1.2	325	22	AAI84998	Human polynucleoti
94	16	1.2	336	22	AAI88676	Human polynucleoti
95	16	1.2	345	22	AAI80690	Human polynucleoti
96	16	1.2	350	22	AAI81061	Human polynucleoti
97	16	1.2	353	22	AAK36985	Novel human diagno
98	16	1.2	357	22	AAAF31351	B2HFLS20W cDNA lib
99	16	1.2	358	20	AAZ30048	cDNA encoding a hu
100	16	1.2	359	20	AAK27759	Sequence from Flgu
101	16	1.2	363	22	AAI84982	Human polynucleoti
102	16	1.2	364	20	AAK27761	Sequence from Flgu
103	16	1.2	369	22	AAK59176	Human cancer relat
104	16	1.2	374	22	AAI91055	Human polynucleoti
105	16	1.2	377	21	AAAF14255	Aspergillus oryzae
106	16	1.2	382	22	AAAF65303	Novel human polynu
107	16	1.2	383	22	AAAF64653	Novel human polynu
108	16	1.2	391	22	AAAD17399	Human bone marrow
109	16	1.2	397	23	AAK82692	DNA encoding novel
110	16	1.2	399	22	AAI89674	Human polynucleoti
111	16	1.2	399	22	AAI89674	Human polynucleoti
112	16	1.2	399	22	AAI89674	Human polynucleoti
113	16	1.2	399	22	AAI89674	Human polynucleoti
114	16	1.2	407	22	AAI81706	Human cDNA for an
115	16	1.2	407	22	AAI81706	Human polynucleoti
116	16	1.2	408	23	AAK80379	DNA encoding novel
117	16	1.2	408	23	AAK80379	DNA encoding novel
118	16	1.2	410	23	AAK80512	Human polynucleoti
119	16	1.2	410	23	AAK80512	DNA encoding novel
120	16	1.2	413	22	AAI09111	Human breast cance
121	16	1.2	413	22	AAI09111	Human polynucleoti
122	16	1.2	414	22	AAI85302	DNA encoding novel
123	16	1.2	418	23	AAI93345	Human polynucleoti
124	16	1.2	419	23	AAK76367	DNA encoding novel
125	16	1.2	420	22	AAI87376	Human polynucleoti
126	16	1.2	433	22	AAI80776	Human polynucleoti
127	16	1.2	436	22	AAI80539	Human polynucleoti
128	16	1.2	441	23	AAK83978	DNA encoding novel
129	16	1.2	441	23	AAK83978	DNA encoding novel
130	16	1.2	441	23	AAK83978	DNA encoding novel
131	16	1.2	444	23	AAK83978	DNA encoding novel
132	16	1.2	447	22	AAI82415	Human polynucleoti
133	16	1.2	453	22	AAI81970	Human polynucleoti
134	16	1.2	468	23	AAK69012	DNA encoding novel
135	16	1.2	468	23	AAK69012	DNA encoding novel
136	16	1.2	468	23	AAK69012	DNA encoding novel
137	16	1.2	482	20	AAK27756	Promoter for T7 RN
138	16	1.2	482	20	AAK27756	Promoter for T7 RN
139	16	1.2	486	21	AAAF14726	Aspergillus oryzae
140	16	1.2	488	22	AAI11444	Human breast cance
141	16	1.2	488	22	AAI88888	Human polynucleoti
142	16	1.2	517	22	AAI85113	Human polynucleoti
143	16	1.2	517	22	AAI85113	Human polynucleoti
144	16	1.2	524	21	AAK277395	Human prostate can
145	16	1.2	535	21	AAK277395	Human prostate can
146	16	1.2	626	21	AAAF14232	Aspergillus oryzae
147	16	1.2	647	18	AAAF14232	Aspergillus oryzae
148	16	1.2	654	18	AAAF14232	Aspergillus oryzae
149	16	1.2	659	21	AAAF14232	Aspergillus oryzae
150	16	1.2	669	21	AAAF14232	Aspergillus oryzae
151	16	1.2	669	21	AAAF14232	Aspergillus oryzae
152	16	1.2	682	21	AAAF14232	Aspergillus oryzae
153	16	1.2	688	21	AAAF14232	Aspergillus oryzae
154	16	1.2	700	22	AAI86748	Human polynucleoti
155	16	1.2	705	21	AAAF14232	Human colon cancer

C 375	15	1.1	970	21	AAA02157	Human colon cancer
C 376	15	1.1	980	18	AAH80150	Hammerhead ribozym
C 377	15	1.1	991	21	AAH02076	Human colon cancer
C 378	15	1.1	1024	21	AAZ57133	Human prostate can
C 379	15	1.1	1024	21	AAZ57188	Human prostate can
C 380	15	1.1	1036	21	AAA02095	Human colon cancer
C 381	15	1.1	1060	21	AAA02582	Human colon cancer
C 382	15	1.1	1060	21	AAA02582	Human colon cancer
C 383	15	1.1	1082	21	AAA02370	Human colon cancer
C 384	15	1.1	1103	20	AAZ17554	Human gene expres
C 385	15	1.1	1123	22	AAH19769	Human neuroblastom
C 386	15	1.1	1178	21	AAA02530	Human colon cancer
C 387	15	1.1	1196	21	AAA02459	Human colon cancer
C 388	15	1.1	1209	21	AAA02464	Human colon cancer
C 389	15	1.1	1230	21	AAA01750	Human colon cancer
C 390	15	1.1	1273	20	AAH17014	Human gene expres
C 391	15	1.1	1274	22	AAH15293	Human gene expres
C 392	15	1.1	1275	22	AAH33132	Human polynucleoti
C 393	15	1.1	1328	20	AAH37757	DNA encoding novel
C 394	15	1.1	1373	21	AAA01835	Staphylococcus sp.
C 395	15	1.1	1462	22	AAH56397	Human colon cancer
C 396	15	1.1	1472	18	AAH74984	Human CDNA for an
C 397	15	1.1	1481	21	AAA02601	Staphylococcus aur
C 398	15	1.1	1498	21	AAA02082	Human colon cancer
C 399	15	1.1	1498	21	AAA02082	Human colon cancer
C 400	15	1.1	1505	20	AAZ17177	Human gene expres
C 401	15	1.1	1601	22	AAH56338	Human CDNA for an
C 402	15	1.1	1604	22	AAH56338	Human CDNA for an
C 403	15	1.1	1624	22	AAH92583	Human polynucleoti
C 404	15	1.1	1633	22	AAH56336	Human CDNA for an
C 405	15	1.1	1633	15	AAH58330	GGF2BP5. Bos tau
C 406	15	1.1	1653	15	AAH58330	GGF2BP5. Bos tau
C 407	15	1.1	1686	21	AAH62829	Bos tau
C 408	15	1.1	1686	21	AAH62829	Human secreted pro
C 409	15	1.1	2039	22	AAH56416	Human CDNA for an
C 410	15	1.1	2039	22	AAH56416	Human CDNA for an
C 411	15	1.1	2044	21	AAZ43874	Murine NMX3 CDNA.
C 412	15	1.1	2241	22	AAH18752	Human CDNA sequenc
C 413	15	1.1	3005	22	AAH160085	Human polynucleoti
C 414	15	1.1	3044	20	AAH81115	Senscence-associa
C 415	15	1.1	3086	23	AAH05296	Drosophila melanog
C 416	15	1.1	3106	22	AAH27072	Human cervical can
C 417	15	1.1	3316	23	AAH10742	Drosophila melanog
C 418	15	1.1	3727	18	AAH92070	Human muscarinic a
C 419	15	1.1	3780	18	AAH74686	Staphylococcus aur
C 420	15	1.1	4145	23	AAH13468	Drosophila melanog
C 421	15	1.1	4245	22	AAH80506	Cell proliferation
C 422	15	1.1	4549	18	AAH74485	Staphylococcus aur
C 423	15	1.1	4826	18	AAH74586	Staphylococcus aur
C 424	15	1.1	5602	18	AAH74440	Staphylococcus aur
C 425	15	1.1	6810	20	AAH30267	Staphylococcus aur
C 426	15	1.1	8668	14	AAH50453	Borrelia burgdorfe
C 427	15	1.1	9834	18	AAH74348	Partial human geno
C 428	15	1.1	11050	18	AAH74348	Staphylococcus aur
C 429	15	1.1	11802	18	AAH74348	Staphylococcus aur
C 430	15	1.1	122977	22	AAH77120	Staphylococcus aur
C 431	15	1.1	24025	17	AAH17455	Human immune/haema
C 432	15	1.1	24025	17	AAH17455	Mutated BRCA1 geno
C 433	15	1.1	24025	17	AAH17455	Mutated BRCA1 geno
C 434	15	1.1	24026	17	AAH17512	BRCA1, human breas
C 435	15	1.1	24026	17	AAH17512	Mutated BRCA1 geno
C 436	15	1.1	24026	17	AAH17512	Mutated BRCA1 geno
C 437	15	1.1	24026			

448	1.1	24026	17	AAAT17530	BRCA1, genomic sequ
449	1.1	24026	17	AAAT18325	BRCA1, human breast
450	1.1	24029	17	AAAT17520	Mutated BRCA1 geno
451	1.1	24031	17	AAAT17525	Mutated BRCA1 geno
452	1.1	29555	18	AAV74517	Staphylococcus aur
453	1.1	30246	18	AAV74367	Staphylococcus aur
454	1.1	125910	21	AAAC64370	Human KCNC9 (KCNC9

ALIGNMENTS

```

RESULT 1
AA337797 ID AAX37797 standard; DNA; 1328 BP.
XX AC AAX37797:
XX DT 09-JUL-1999 (first entry)
XX DE Staphylococcus sp. Fema consensus DNA sequence.
XX KW FemA; Identification; detection; therapy; infection; femB;
XX KW amplification; genotyping; gram-positive bacteria; vaccine; ss.
XX OS Synthetic.
XX OS Staphylococcus sp.
XX PN W09916780-A2.
XX PD 08-APR-1999.
XX PF 28-SEP-1998; 98WO-BE00141.
XX PR 26-SEP-1997; 97EP-0870146.
XX PA (BENA-) BELGIAN MIN NAT DEFENCE.
XX PA (UYLO-) UNIV CATHOLIQUE LOUVAIN.
XX PI Gala J, Vannuffel P;
XX DR WPI; 1999-287521/24.

New Staphylococcus-specific oligonucleotides

Claim 1; Fig 3; 48pp; English.

This invention describes novel Staphylococcus-specific oligonucleotides based on the consensus fema nucleotide sequence which are used to develop products for the identification, detection and therapy of infections. The oligonucleotides can be used for the genetic amplification, the identification and/or quantification of various fema sequences which are specific to known or unknown Staphylococci species. Since the fema sequence is similar to the femB sequence, the oligonucleotides can also be used for the molecular genotyping of femB genes of different Staphylococci species or other gram-positive bacteria. The fema nucleic acids can also be used in therapeutic applications. CC They can also be used to identify inhibitors, e.g. antibodies or CC antisense oligonucleotides, for blocking expression of the fema CC nucleotide sequences. CC They can also be used for producing vaccines CC against Staphylococci infections. This sequence represents a FemA CC consensus DNA sequence composed from Staphylococcus sp. sequences. CC

Sequence 1328 BP; 304 A; 78 C; 146 G; 227 T; 573 other;
SQ

Query Match 100.0%; Score 1328; DB 20; Length 1328;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1328; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
0Y 1 nnnnnnnnnnnnaatgaantttacnaatttnaengcnanagantnnnnntac 60
1 nnnnnnnnnnnnaaatgaantttacnaatttnaengcnanagantnnnnntac 60

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QY 1124 ttanngangangcgaatgngngtntnaantnaaaaa 1167
 |||||||||||||||||||||||||||||||||||||||
 DB 1 ttanngangangcgaatgngngtntnaantnaaaaa 44

RESULT 3

AAK37759
 ID AAK37759 standard; DNA; 43 BP.

AC AAK37759;

DT 09-JUL-1999 (first entry)

DE Staphylococcus sp. detecting oligonucleotide 6.

KW FemA; primer; identification; detection; therapy; infection; femB; amplification; genotyping; gram-positive bacteria; vaccine; ss.

OS Synthetic.

OS Staphylococcus sp.

PN W09916780-A2.

PD 08-APR-1999.

PF 28-SEP-1998; 98WO-BE00141.

PR 26-SEP-1997; 97EP-0870146.

PA (BENA-) BELGIAN MIN NAT DEFENCE.

PA (UYLO-) UNIV CATHOLIQUE LOUVAIN.

PI Gala J, Vannuffel P;

DR WPI; 1999-287521/24.

PS Claim 5; Page 8; 48pp; English.

PT New Staphylococcus-specific oligonucleotides

CC This invention describes novel Staphylococcus-specific oligonucleotides based on the consensus femA nucleotide sequence which are used to develop products for the identification, detection and therapy of

CC infections. The oligonucleotides can be used for the genetic amplification, the identification and/or quantification of various femA

CC sequences which are specific to known or unknown Staphylococci species.

CC Since the femA sequence is similar to the femB sequence, the oligonucleotides can also be used for the molecular genotyping of femB

CC genes of different Staphylococci species or other gram-positive bacteria.

CC The femA nucleic acids can also be used in therapeutic applications.

CC They can also be used to identify inhibitors, e.g. antibodies or antisense oligonucleotides, for blocking expression of the femA

CC nucleotide sequences. They can also be used for producing vaccines against Staphylococci infections.

CC Sequence 43 BP; 19 A; 1 C; 7 G; 4 T; 12 other;

Query Match 3.2%; Score 43; DB 20; Length 43;

Best Local Similarity 100.0%; Pred. No. 4.5e-17; Mismatches 0; Indels 0; Gaps 0;

Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 552 gnaangnaanaacnaaaatgtnnaanaaatgngttaaagt 594
 |||||||||||||||||||||||||||||||||||||||

DB 1 gnaangnaanaacnaaaatgtnnaanaaatgngttaaagt 43

RESULT 4

AAK37762
 ID AAK37762 standard; DNA; 40 BP.

AC AAK37762;

XX 09-JUL-1999 (first entry)

DT Staphylococcus sp. detecting oligonucleotide 7.

DE FemA; primer; identification; detection; therapy; infection; femB; amplification; genotyping; gram-positive bacteria; vaccine; ss.

KW Synthetic.

OS Staphylococcus sp.

PN W09916780-A2.

PD 08-APR-1999.

PF 28-SEP-1998; 98WO-BE00141.

PR 26-SEP-1997; 97EP-0870146.

PA (BENA-) BELGIAN MIN NAT DEFENCE.

PA (UYLO-) UNIV CATHOLIQUE LOUVAIN.

PI Gala J, Vannuffel P;

DR WPI; 1999-287521/24.

PS Claim 5; Page 8; 48pp; English.

PT New Staphylococcus-specific oligonucleotides

CC This invention describes novel Staphylococcus-specific oligonucleotides based on the consensus femA nucleotide sequence which are used to develop products for the identification, detection and therapy of

CC infections. The oligonucleotides can be used for the genetic amplification, the identification and/or quantification of various femA

CC sequences which are specific to known or unknown Staphylococci species.

CC Since the femA sequence is similar to the femB sequence, the oligonucleotides can also be used for the molecular genotyping of femB

CC genes of different Staphylococci species or other gram-positive bacteria.

CC The femA nucleic acids can also be used in therapeutic applications.

CC They can also be used to identify inhibitors, e.g. antibodies or antisense oligonucleotides, for blocking expression of the femA

CC nucleotide sequences. They can also be used for producing vaccines against Staphylococci infections.

CC Sequence 40 BP; 10 A; 4 C; 6 G; 9 T; 11 other;

Query Match 3.0%; Score 40; DB 20; Length 40;

Best Local Similarity 100.0%; Pred. No. 3.5e-15; Mismatches 0; Indels 0; Gaps 0;

Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 609 aagangantncnactntnngntcatnatgagangatac 648
 |||||||||||||||||||||||||||||||||||||||

DB 1 aagangantncnactntnngntcatnatgagangatac 40

RESULT 5

AAK37756
 ID AAK37756 standard; DNA; 37 BP.

AC AAK37756;

DT 09-JUL-1999 (first entry)

DE Staphylococcus sp. detecting oligonucleotide 3.

KW FemA; primer; identification; detection; therapy; infection; femB; amplification; genotyping; gram-positive bacteria; vaccine; ss.

OS Synthetic

OS Staphylococcus sp.

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PN WO9916780-A2.
XX
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PD 08-APR-1999.
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XX 28-SEP-1998; 98WO-BE00141.
XX
XX 26-SEP-1997; 97EP-0870146.
XX
XX (BENA-) BELGIAN MIN NAT DEFENCE.
PA (UYLO-) UNIV CATHOLIQUE LOUVAIN.
XX
XX Gala J, Vannuffel P;
XX
XX WPI; 1999-287521/24.
XX
XX New Staphylococcus-specific oligonucleotides
XX
XX Claim 5; Page 8; 48pp; English.
XX
XX This invention describes novel Staphylococcus-specific oligonucleotides
CC based on the consensus femA nucleotide sequence which are used to
CC develop products for the identification, detection and therapy of
CC infections. The oligonucleotides can be used for the genetic
CC amplification, the identification and/or quantification of various femA
CC sequences which are specific to known or unknown Staphylococci species.
CC Since the femA sequence is similar to the femB sequence, the
CC oligonucleotides can also be used for the molecular genotyping of femB
CC genes of different Staphylococci species or other gram-positive bacteria.
CC The femA nucleic acids can also be used in therapeutic applications.
CC They can also be used to identify inhibitors, e.g. antibodies or
CC antisense oligonucleotides, for blocking expression of the femA
CC nucleotide sequences. They can also be used for producing vaccines
CC against Staphylococci infections.
XX
XX Sequence 37 BP; 13 A; 1 C; 6 G; 7 T; 10 other;
SQ
Query Match 2.8%; Score 37; DB 20; Length 37;
Best Local Similarity 100.0%; Pred. No. 2.7e-13;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 141 tagtgggnatnaanaanaangangnattgc 177
DB 1 tagtgggnatnaanaanaangangnattgc 37
RESULT 6
AAX37772
ID AAX37772 standard; DNA; 35 BP.
AC
XX
XX AAX37772;
XX
XX 09-JUL-1999 (first entry)
XX
XX Staphylococcus sp. detecting oligonucleotide 11.
XX
XX FemA; primer; identification; detection; therapy; infection; femB;
KW amplification; genotyping; gram-positive bacteria; vaccine; ss.
XX
XX Synthetic.
OS Staphylococcus sp.
OS
XX WO9916780-A2.
XX
XX 08-APR-1999.
XX
XX Staphylococcus sp. detecting oligonucleotide 11.
XX
XX FemA; primer; identification; detection; therapy; infection; femB;
KW amplification; genotyping; gram-positive bacteria; vaccine; ss.
XX
XX Synthetic.
OS Staphylococcus sp.
OS
XX WO9916780-A2.
XX
XX 08-APR-1999.
XX
XX 28-SEP-1998; 98WO-BE00141.
XX
XX 26-SEP-1997; 97EP-0870146.
XX
XX (BENA-) BELGIAN MIN NAT DEFENCE.
PA (UYLO-) UNIV CATHOLIQUE LOUVAIN.
XX
XX Gala J, Vannuffel P;
XX
XX WPI; 1999-287521/24.
XX
XX New Staphylococcus-specific oligonucleotides
XX
XX Claim 5; Page 8; 48pp; English.
XX
XX This invention describes novel Staphylococcus-specific oligonucleotides
CC based on the consensus femA nucleotide sequence which are used to
CC develop products for the identification, detection and therapy of
CC infections. The oligonucleotides can be used for the genetic
CC amplification, the identification and/or quantification of various femA
CC sequences which are specific to known or unknown Staphylococci species.
CC Since the femA sequence is similar to the femB sequence, the
CC oligonucleotides can also be used for the molecular genotyping of femB
CC genes of different Staphylococci species or other gram-positive bacteria.
CC The femA nucleic acids can also be used in therapeutic applications.
CC They can also be used to identify inhibitors, e.g. antibodies or
CC antisense oligonucleotides, for blocking expression of the femA
CC nucleotide sequences. They can also be used for producing vaccines
CC against Staphylococci infections.
XX
XX Sequence 37 BP; 13 A; 1 C; 6 G; 7 T; 10 other;
SQ
Query Match 2.8%; Score 37; DB 20; Length 37;
Best Local Similarity 100.0%; Pred. No. 2.7e-13;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 141 tagtgggnatnaanaanaangangnattgc 177
DB 1 tagtgggnatnaanaanaangangnattgc 37
RESULT 7
AAX37757
ID AAX37757 standard; DNA; 35 BP.
AC
XX
XX AAX37757;
XX
XX 09-JUL-1999 (first entry)
XX
XX Staphylococcus sp. detecting oligonucleotide 4.
XX
XX FemA; primer; identification; detection; therapy; infection; femB;
KW amplification; genotyping; gram-positive bacteria; vaccine; ss.
XX
XX Synthetic.
OS Staphylococcus sp.
OS
XX WO9916780-A2.
XX
XX 08-APR-1999.
XX
XX 28-SEP-1998; 98WO-BE00141.
XX
XX 26-SEP-1997; 97EP-0870146.
XX
XX (BENA-) BELGIAN MIN NAT DEFENCE.
PA (UYLO-) UNIV CATHOLIQUE LOUVAIN.
XX
XX Gala J, Vannuffel P;
XX
XX WPI; 1999-287521/24.
XX
XX New Staphylococcus-specific oligonucleotides
XX
XX Claim 5; Page 8; 48pp; English.
XX
XX This invention describes novel Staphylococcus-specific oligonucleotides
CC based on the consensus femA nucleotide sequence which are used to
CC develop products for the identification, detection and therapy of
CC infections. The oligonucleotides can be used for the genetic
CC amplification, the identification and/or quantification of various femA
CC sequences which are specific to known or unknown Staphylococci species.
CC Since the femA sequence is similar to the femB sequence, the
CC oligonucleotides can also be used for the molecular genotyping of femB
CC genes of different Staphylococci species or other gram-positive bacteria.
CC The femA nucleic acids can also be used in therapeutic applications.
CC They can also be used to identify inhibitors, e.g. antibodies or
CC antisense oligonucleotides, for blocking expression of the femA
CC nucleotide sequences. They can also be used for producing vaccines
CC against Staphylococci infections.
XX
XX Sequence 35 BP; 9 A; 3 C; 6 G; 9 T; 8 other;
SQ
Query Match 2.6%; Score 35; DB 20; Length 35;
Best Local Similarity 100.0%; Pred. No. 4.8e-12;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1040 agntatgcntnccaatgggnnatgattaatgc 1074
DB 1 agntatgcntnccaatgggnnatgattaatgc 35

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infections. The oligonucleotides can be used for the genetic amplification, the identification and/or quantification of various fema sequences which are specific to known or unknown Staphylococci species. Since the fema sequence is similar to the femb sequence, the oligonucleotides can also be used for the molecular genotyping of femb genes of different Staphylococci species or other gram-positive bacteria. The fema nucleic acids can also be used in therapeutic applications. They can also be used to identify inhibitors, e.g. antibodies or antisense oligonucleotides, for blocking expression of the fema nucleotide sequences. They can also be used for producing vaccines against Staphylococci infections.

Sequence 35 BP; 8 A; 3 C; 3 G; 13 T; 8 other;

Query Match
Best Local Similarity 100.0%; Pred. No. 4.8e-12;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 197 gtcccgatgaatttcaatttcaatttatttc 231
|||||

Db 1 gtcccgatgaatttcaatttcaatttatttc 35

RESULT 8
AA37751
ID AA37751 standard; DNA; 35 BP.
AC AA37751;
AT 09-JUL-1999 (first entry)
DE Staphylococcus sp. detecting oligonucleotide 1.
KW FemA; primer; identification; detection; therapy; infection; femb; amplification; genotyping; gram-positive bacteria; vaccine; ss.
OS Synthetic.
ST Staphylococcus sp.
WO9916780-A2.
PD 08-APR-1999.
PF 28-SEP-1998; 98WO-BE00141.
PR 26-SEP-1997; 97EP-0870146.
PS (BENA-) BELGIAN MIN NAT DEFENCE.
PA (UYLO-) UNIV CATHOLIQUE LOUVAIN.
PI Gala J, Vannuffel P;
DR WPI; 1999-287521/24.
PT New Staphylococcus-specific oligonucleotides
PS Claim 5; Page 8; 48pp; English.

This invention describes novel Staphylococcus-specific oligonucleotides based on the consensus fema nucleotide sequence which are used to develop products for the identification, detection and therapy of infections. The oligonucleotides can be used for the genetic amplification, the identification and/or quantification of various fema sequences which are specific to known or unknown Staphylococci species. Since the fema sequence is similar to the femb sequence, the oligonucleotides can also be used for the molecular genotyping of femb genes of different Staphylococci species or other gram-positive bacteria. The fema nucleic acids can also be used in therapeutic applications. They can also be used to identify inhibitors, e.g. antibodies or antisense oligonucleotides, for blocking expression of the fema nucleotide sequences. They can also be used for producing vaccines against Staphylococci infections.

Sequence 35 BP; 12 A; 3 C; 3 G; 9 T; 8 other;

Query Match
Best Local Similarity 100.0%; Pred. No. 4.8e-12;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 14 anaatgaatttcaatttcaatttcaatttcaattt 48
|||||

Db 1 anaatgaatttcaatttcaatttcaatttcaattt 35

RESULT 9
AA37764
ID AA37764 standard; DNA; 32 BP.
AC AA37764;
AT 09-JUL-1999 (first entry)
DE Staphylococcus sp. detecting oligonucleotide 9.
KW FemA; primer; identification; detection; therapy; infection; femb; amplification; genotyping; gram-positive bacteria; vaccine; ss.
OS Synthetic.
ST Staphylococcus sp.
WO9916780-A2.
PD 08-APR-1999.
PF 28-SEP-1998; 98WO-BE00141.
PR 26-SEP-1997; 97EP-0870146.
PS (BENA-) BELGIAN MIN NAT DEFENCE.
PA (UYLO-) UNIV CATHOLIQUE LOUVAIN.
PI Gala J, Vannuffel P;
DR WPI; 1999-287521/24.
PT New Staphylococcus-specific oligonucleotides
PS Claim 5; Page 9; 48pp; English.

This invention describes novel Staphylococcus-specific oligonucleotides based on the consensus fema nucleotide sequence which are used to develop products for the identification, detection and therapy of infections. The oligonucleotides can be used for the genetic amplification, the identification and/or quantification of various fema sequences which are specific to known or unknown Staphylococci species. Since the fema sequence is similar to the femb sequence, the oligonucleotides can also be used for the molecular genotyping of femb genes of different Staphylococci species or other gram-positive bacteria. The fema nucleic acids can also be used in therapeutic applications. They can also be used to identify inhibitors, e.g. antibodies or antisense oligonucleotides, for blocking expression of the fema nucleotide sequences. They can also be used for producing vaccines against Staphylococci infections.

Sequence 32 BP; 16 A; 2 C; 4 G; 1 T; 9 other;

Query Match
Best Local Similarity 100.0%; Pred. No. 3.7e-10;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 818 aanganatnganaaangcnganaaanaaa 849
|||||

Db 1 aanganatnganaaangcnganaaanaaa 32


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PR 23-MAY-1991; 91US-0704814.
PR 20-SEP-1991; 91US-0763039.
PR 22-MAY-1992; 92US-0887502.
PR 23-NOV-1993; 93US-0157811.
XX
XX (MART/) MARTIN W J.
XX Martin WJ;
XX
XX WPI; 1998-311405/27.
XX
XX Stealth virus contained in MRC-5 cell line, ATCC number VR2343 - is
XX useful as a vaccine against chronic fatigue syndrome
XX
XX Disclosure; Fig ID; 99pp; English.
XX
XX AAV11954-V12024 are plasmids which contain fragments of a stealth virus
XX isolated from a patient, D.W. Such stealth virus fragments can be used
XX as vaccine against chronic fatigue syndrome (CFS). This illness causes
XX unexplained fatigue lasting more than 6 months and greater than 50%
XX reduction in an infected persons normal level of activity. The virus
XX causes a cytopathic effect (CPE) to fibroblast cells observed in
XX culture, characterised by the appearance of rounded, slightly enlarged,
XX refractile cells in the culture.
XX
XX Sequence 737 BP; 118 A; 158 C; 120 G; 129 T; 212 other;
SQ

Query Match 1.7%; Score 23; DB 19; Length 737;
Best Local Similarity 100.0%; Pred. No. 0.00012;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1283 nnnnnnnnnnnnnnnnnnnnnnn 1305
Db 678 NNNNNNNNNNNNNNNNNNNNNN 656

RESULT 15
AAV10153/C
ID AAV10153 standard; DNA; 737 BP.
XX
XX AAV10153;
XX
XX 29-MAY-1998 (first entry)
XX
XX Stealth virus nucleic acid in plasmid #13.
XX
XX Stealth virus; chronic fatigue syndrome; CFS; disease; detection;
XX medical diagnostic; veterinary diagnostic; agricultural diagnostic;
XX quality control; ss.
XX
XX Stealth virus.
XX
XX US5703221-A.
XX
XX 30-DEC-1997.
XX
XX 05-JUN-1995; 95US-0463115.
XX
XX 05-JUN-1995; 95US-0463115.
XX 23-MAY-1991; 91US-0704814.
XX 20-SEP-1991; 91US-0763039.
XX 22-MAY-1992; 92US-0887502.
XX 23-NOV-1993; 93US-0157811.
XX
XX (MART/) MARTIN W J.
XX Martin WJ;
XX
XX WPI; 1998-076485/07.
XX
XX Stealth virus nucleic acid molecule - useful to detecting stealth
XX virus, e g in chronic fatigue syndrome diagnosis
PT
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XX
XX Example 5; Fig 1; 82pp; English.
XX
XX AAV10141-V10210 represent nucleic acid sequences obtained from a
XX patient with a stealth virus infection, namely chronic fatigue
XX syndrome (CFS). Such nucleic acid sequences can be used to detect
XX the stealth virus in medical, veterinary and agricultural diagnostics
XX and in industrial and pharmaceutical biological quality control, e.g.
XX to diagnose a disease associated with the stealth virus.
XX
XX Sequence 737 BP; 118 A; 158 C; 120 G; 129 T; 212 other;
SQ

Query Match 1.7%; Score 23; DB 19; Length 737;
Best Local Similarity 100.0%; Pred. No. 0.00012;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1283 nnnnnnnnnnnnnnnnnnnnnnn 1305
Db 678 NNNNNNNNNNNNNNNNNNNNNN 656

Search completed: June 22, 2002, 07:54:45
Job time: 7424 sec
```



Query Match 1.7%; Score 23; DB 1; Length 737;
Best Local Similarity 100.0%; Pred. No. 2.6e-05;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1283 nnnnnnnnnnnnnnnnnnnnn 1305
|||||
DB 678 nnnnnnnnnnnnnnnnnnnnn 656

RESULT 2

US-08-465-388-19/c
; Sequence 19, Application US/08465388
; Patent No. 5753488

GENERAL INFORMATION:

APPLICANT: WILLIAM JOHN MARTIN
TITLE OF INVENTION: ISOLATED STEALTH VIRUSES
NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: Los Angeles
COUNTRY: California

ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,388
FILING DATE: June 5, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: Including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/157,811
FILING DATE: No. 5753488, September 23, 1993
APPLICATION NUMBER: 07/887,502
FILING DATE: May 22, 1992
APPLICATION NUMBER: 07/704,814
FILING DATE: May 23, 1991
APPLICATION NUMBER: 07/763,039
FILING DATE: September 20, 1991
ATTORNEY/AGENT INFORMATION:
NAME: Waiburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 213/300
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

Four

INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 737 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
OTHER INFORMATION:
US-08-465-388-19

Query Match 1.7%; Score 23; DB 1; Length 737;
Best Local Similarity 100.0%; Pred. No. 2.6e-05;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1283 nnnnnnnnnnnnnnnnnnnnn 1305
|||||

DB 678 nnnnnnnnnnnnnnnnnnnnn 656

RESULT 3

US-08-358-810A-16/c
; Sequence 16, Application US/08358810A
; Patent No. 5604097

GENERAL INFORMATION:

APPLICANT: Sydney Brenner
TITLE OF INVENTION: Molecular Tagging System
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Stephen C. Macevicz, Lynx Therapeutics, Inc.
STREET: 3832 Bay Center Place
CITY: Hayward
STATE: California
COUNTRY: USA

ZIP: 94545

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch diskette
COMPUTER: Macintosh
OPERATING SYSTEM: Mac OS
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/358,810A
FILING DATE: 19-DEC-94

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/322,348
FILING DATE: 13-OCT-94

ATTORNEY/AGENT INFORMATION:

NAME: Stephen C. Macevicz
REGISTRATION NUMBER: 30,285
REFERENCE/DOCKET NUMBER: Cb42
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 670-9365
TELEFAX: (510) 670-9302

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:
LENGTH: 37 nucleotides
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-358-810A-16

Query Match 1.2%; Score 16; DB 1; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.86;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1291 nnnnnnnnnnnnnnnnnnnnn 1306
|||||
DB 28 nnnnnnnnnnnnnnnnnnnnn 13

RESULT 4

US-08-484-712A-16/c
; Sequence 16, Application US/08484712A
; Patent No. 5654413

GENERAL INFORMATION:

APPLICANT: Sydney Brenner
TITLE OF INVENTION: Compositions for Sorting Polynucleotides
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Stephen C. Macevicz, Lynx Therapeutics, Inc.
STREET: 3832 Bay Center Place
CITY: Hayward
STATE: California
COUNTRY: USA

ZIP: 94545

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch diskette
COMPUTER: Macintosh

OPERATING SYSTEM: Mac OS
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,712A
FILING DATE: 07-JUN-95
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/322,348
FILING DATE: 13-OCT-94
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/358,810
FILING DATE: 19-DEC-94
ATTORNEY/AGENT INFORMATION:
NAME: Stephen C. Macevicz
REGISTRATION NUMBER: 30,285
REFERENCE/DOCKET NUMBER: cbd2c2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 670-9365
TELEFAX: (510) 670-9302
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 nucleotides
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-484-712A-16

Query Match 1.2%; Score 16; DB 1; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.86;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1291 nnnnnnnnnnnnn 1306
|||||
Db 28 NNNNNNNNNNNNN 13

RESULT 5
US-08-359-295C-22/c
; Sequence 22, Application US/08359295C
; Patent No. 5695934
; GENERAL INFORMATION:
; APPLICANT: Sydney Brenner
; TITLE OF INVENTION: Massively Parallel Sequencing of Sorted Polynucleotides
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Stephen C. Macevicz, Lynx Therapeutics, Inc.
; STREET: 3832 Bay Center Place
; CITY: Hayward
; STATE: California
; COUNTRY: USA
; ZIP: 94545
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Windows 3.1
; SOFTWARE: Microsoft Word 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/359,295C
; FILING DATE: 19-DEC-94
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/322,348
; FILING DATE: 13-OCT-94
; ATTORNEY/AGENT INFORMATION:
; NAME: Stephen C. Macevicz
; REGISTRATION NUMBER: 30,285
; REFERENCE/DOCKET NUMBER: mps1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 670-9365
; TELEFAX: (510) 670-9302
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-359-295C-22

LENGTH: 37 nucleotides
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-359-295C-22

Query Match 1.2%; Score 16; DB 1; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.86;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY 1291 nnnnnnnnnnnnn 1306
|||||
Db 28 NNNNNNNNNNNNN 13

RESULT 6
US-08-485-105A-22/c
; Sequence 22, Application US/08485105A
; Patent No. 5863722
; GENERAL INFORMATION:
; APPLICANT: Sydney Brenner
; TITLE OF INVENTION: Massively Parallel Sequencing of Sorted Polynucleotides
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Stephen C. Macevicz, Lynx Therapeutics, Inc.
; STREET: 3832 Bay Center Place
; CITY: Hayward
; STATE: California
; COUNTRY: USA
; ZIP: 94545
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Windows 3.1
; SOFTWARE: Microsoft Word 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,105A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/359,295
; FILING DATE: 19-DEC-94
; APPLICATION NUMBER: 08/322,348
; FILING DATE: 13-OCT-94
; ATTORNEY/AGENT INFORMATION:
; NAME: Stephen C. Macevicz
; REGISTRATION NUMBER: 30,285
; REFERENCE/DOCKET NUMBER: mps1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 670-9365
; TELEFAX: (510) 670-9302
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-485-105A-22

Query Match 1.2%; Score 16; DB 2; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.86;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1291 nnnnnnnnnnnnn 1306
|||||
Db 28 NNNNNNNNNNNNN 13

RESULT 7
US-09-183-650-22/c
; Sequence 22, Application US/09183650B

```

: Patent No.6140489
:
: GENERAL INFORMATION:
: APPLICANT: Brenner, Sydney
: TITLE OF INVENTION: Improved compositions for sorting polynucleotides
: FILE REFERENCE: 803-03
: CURRENT APPLICATION NUMBER: US/09/183,650B
: EARLIER FILING DATE: 1998-10-30
: EARLIER APPLICATION NUMBER: US 08/485,105
: EARLIER FILING DATE: 1995-06-07
: EARLIER APPLICATION NUMBER: US 08/359,295
: EARLIER FILING DATE: 1994-12-19
: EARLIER APPLICATION NUMBER: US 08/322,348
: EARLIER FILING DATE: 1994-10-13
: NUMBER OF SEQ ID NOS: 23
: SOFTWARE: Microsoft Word97
: SEQ ID NO 22
:
: LENGTH: 37
:
: TYPE: DNA
:
: ORGANISM: Artificial Sequence
: FEATURE: No. 6140489special biological significance.
: NAME/KEY: Primer.
: LOCATION: five 5' nucleotides; 13 central nucleotides; 13 3' nucleotides
: OTHER INFORMATION: Tag-containing primer.
:
: US-09-183-650-22

```

Query Match	1.2%;	Score 16;	DB 3;	Length 37;					
Best Local Similarity	100.0%;	Pred. No. 0.86;							
Matches	16;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;

QY	1291	nnnnnnnnnnnnnnnn	1306
Db	28	NNNNNNNNNNNNNN	13

RESULT 8
US-09-115-446-4
; Sequence 4, Application US/09115446

```

? APPLICANT: Kalman, Katarin
? TITLE OF INVENTION: hKCa3/KCNK3 SMALL CONDUCTANCE CALCIUM
? TITLE OF INVENTION: ACTIVATED POTASSIUM CHANNEL: A DIAGNOSTIC
? FILE REFERENCE: 07306/014001
? CURRENT APPLICATION NUMBER: US/09/115,446
? CURRENT FILING DATE: 1998-07-14
? EARLIER APPLICATION NUMBER: 60/052,556
? EARLIER FILING DATE: 1997-07-15
? EARLIER APPLICATION NUMBER: 60/070,741
? EARLIER FILING DATE: 1998-01-08
? NUMBER OF SEQ ID NOS: 15
? SOFTWARE: FASTSEQ for Windows Version 4.0
? SEQ ID NO 4
? LENGTH: 72
? TYPE: DNA
? ORGANISM: Homo sapiens
? OS-09-115-446--4

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Query Match	1.2%	Score 16;	DB 4;	Length 72;
Best Local Similarity	100.0%	Pred. No. 0.76;		
Matches	16;	Conservative	0;	Mismatches 0;
				Indels 0;
				Gaps 0

Qy	1291	nnnnnnnnnnnnnnnnn	1306
Db	24	nnnnnnnnnnnnnnnnn	39

RESULT 9
US-09-417-455-1

```

/ APPLICANT: Ford, John
/ APPLICANT: Pace, Ann
/ TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
/ FILE REFERENCE: 28110/26328
/ CURRENT APPLICATION NUMBER: US/09/417,455
/ CURRENT FILING DATE: 1999-10-13
/ PRIOR APPLICATION NUMBER: US 09/348,942
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: PCT/US99/004291
/ PRIOR FILING DATE: 1999-04-05
/ PRIOR APPLICATION NUMBER: US 09/287,210
/ PRIOR FILING DATE: 1999-04-05
/ PRIOR APPLICATION NUMBER: US 09/251,370
/ PRIOR FILING DATE: 1999-02-17
/ PRIOR APPLICATION NUMBER: US 09/229,591
/ PRIOR FILING DATE: 1999-01-13
/ PRIOR APPLICATION NUMBER: US 09/127,698
/ PRIOR FILING DATE: 1998-07-31
/ PRIOR APPLICATION NUMBER: US 09/099,818
/ PRIOR FILING DATE: 1998-06-19
/ PRIOR APPLICATION NUMBER: US 09/082,364
/ PRIOR FILING DATE: 1998-05-20
/ PRIOR APPLICATION NUMBER: US 09/079,909
/ PRIOR FILING DATE: 1998-05-15
/ PRIOR APPLICATION NUMBER: US 09/055,010
/ PRIOR FILING DATE: 1998-04-03
/ NUMBER OF SEQ ID NOS: 30
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 1
/ LENGTH: 357
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: (1)..(357)
/ OTHER INFORMATION: n = A,T,C or G
/ S-09-417-455-1

```

```
Query Match      1.2%; Score 16; DB 4; Length 357;
Best Local Similarity 100.0%; Pred. No. 0.56;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0
```

```
QY 1291 nnnnaannnnnnnnnn 1306
    | | | | | | | | | |
Db 336 nnnnaannnnnnnnnn 351
```

RESULT 10
 US-09-348-942-1
 ; Sequence 1, Application US/09348942
 ; Patent No 6337072
 ;
 ; GENERAL INFORMATION:
 ; APPLICANT: JOHN FORD
 ; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
 ; FILE REFERENCE: 28110/35801
 ; CURRENT APPLICATION NUMBER: US/09/348,942
 ; CURRENT FILING DATE: 1999-07-07
 ; EARLIER APPLICATION NUMBER: PCT/US99/04291
 ; EARLIER FILING DATE: 1999-04-05
 ; EARLIER APPLICATION NUMBER: US 09/287,210
 ; EARLIER FILING DATE: 1999-04-05
 ; EARLIER APPLICATION NUMBER: US 09/251,370
 ; EARLIER FILING DATE: 1999-02-17
 ; EARLIER APPLICATION NUMBER: US 09/229,591
 ; EARLIER FILING DATE: 1999-01-13
 ; EARLIER APPLICATION NUMBER: US 09/127,698
 ; EARLIER FILING DATE: 1998-07-31

EARLIER APPLICATION NUMBER: US 09/099,818
EARLIER FILING DATE: 1998-06-19
EARLIER APPLICATION NUMBER: US 09/082,364
EARLIER FILING DATE: 1998-05-20
EARLIER APPLICATION NUMBER: US 09/079,909
EARLIER FILING DATE: 1998-05-15
EARLIER APPLICATION NUMBER: US 09/055,010
EARLIER FILING DATE: 1998-04-03
NUMBER OF SEQ ID NOS: 30
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1
LENGTH: 357
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(357)
OTHER INFORMATION: n = A,T,C or G
US-09-348-942-1

Query Match 1.2%; Score 16; DB 4; Length 357;
Best Local Similarity 100.0%; Pred. No. 0.56;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1291 nnnnnnnnnnnnn 1306
|||||
DB 336 nnnnnnnnnnnnn 351

RESULT 11
US-09-109-205-8
Sequence 8, Application US/09109205
Patent No. 6057140
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Guegler, Karl J.
APPLICANT: Gorgone, Gina
APPLICANT: Corley, Neil C.
APPLICANT: Baughn, Mariah R.
APPLICANT: Yue, Henry
TITLE OF INVENTION: HUMAN SCAD FAMILY MOLECULES
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/109,205
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cerrone, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-0542 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-855-0572
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 555 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: LUNGTUT10
CLONE: 2722958F6
US-09-109-205-8

Query Match 1.2%; Score 16; DB 3; Length 555;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1291 nnnnnnnnnnnnn 1306
|||||
DB 492 NNNNNNNNNNNNN 507

RESULT 12
US-08-647-368A-3/c
Sequence 3, Application US/08647368A
Patent No. 5928906
GENERAL INFORMATION:
APPLICANT: Koster, Hubert
APPLICANT: Van de Boom, Dirk
APPLICANT: Ruppert, Andreas
TITLE OF INVENTION: PROCESS FOR DIRECT SEQUENCING DURING
TITLE OF INVENTION: TEMPLATE AMPLIFICATION
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY, HOAG & ELIOT LLP
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/647,368A
FILING DATE: 09-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Arnold, Beth E.
REGISTRATION NUMBER: 35,430
REFERENCE/DOCKET NUMBER: SOA-020.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-832-1000
TELEFAX: 617-832-7000
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 558 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-647-368A-3

Query Match 1.2%; Score 16; DB 2; Length 558;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1291 nnnnnnnnnnnnn 1306
|||||
DB 27 NNNNNNNNNNNNN 12

RESULT 13
US-08-781-550-35/c

```

Sequence 35; Application US/08781550
Patent No. 5861242
GENERAL INFORMATION:
APPLICANT: Chee, Mark
APPLICANT: Gingeras, Thomas R.
APPLICANT: Fodor, Stephen P.A.
APPLICANT: Hubbell, Earl A.
APPLICANT: Morris, Macdonald S.
TITLE OF INVENTION: HIV Diagnosis by Arrays of Nucleic Acid
TITLE OF INVENTION: Probes on Biological Chips
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend Hourie and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
City: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DO5
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781,550
FILING DATE: 09-JAN-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/284,064
FILING DATE: 02-AUG-1994
APPLICATION NUMBER: US 08/143,312
FILING DATE: 26-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/082,937
FILING DATE: 25-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Stevens, Lauren L.
REGISTRATION NUMBER: 36,691
REFERENCE/DOCKET NUMBER: 1046.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 831 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (oligonucleotide)
US-08-781-550-35

Query Match          1.2%; Score 16; DB 2; Length 831;
Best Local Similarity 100.0%; Pred. No. 0.48;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1291 nnnnnnnnnnnnnn 1306
DB       60 NNNNANNNNNNNNNN 45

RESULT 14
US-08-781-550-36/c
Sequence 36; Application US/08781550
Patent No. 5861242
GENERAL INFORMATION:
APPLICANT: Chee, Mark
APPLICANT: Gingeras, Thomas R.
APPLICANT: Fodor, Stephen P.A.
APPLICANT: Hubbell, Earl A.
APPLICANT: Morris, Macdonald S.
TITLE OF INVENTION: HIV Diagnosis by Arrays of Nucleic Acid
TITLE OF INVENTION: Probes on Biological Chips

```

```

NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourile and Crew
STREET: One Market Plaza, Stewart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781,550
FILING DATE: 09-JAN-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/284,064
FILING DATE: 02-AUG-1994
APPLICATION NUMBER: US 08/143,312
FILING DATE: 26-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/082,937
FILING DATE: 25-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Stevens, Lauren L.
REGISTRATION NUMBER: 36,691
REFERENCE/DOCKET NUMBER: 1046.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 831 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (oligonucleotide)
US-08-781-550-36

Query Match          1.2%; Score 16; DB 2; Length 831;
Best Local Similarity 100.0%; Pred. No. 0.48;
Matches   16; Conservative    0; Mismatches    0; Indels    0; Gaps    0.

QY      1291 nnnnnnnnnnnnnnnn 1306
        |||iiiiiiiii||
Db       51 nnnnnnnnnnnnnnnn 36

RESULT 15
US-08-642-807A-32
Sequence 32, Application US/08642807A
Patent No. 6087097
GENERAL INFORMATION:
APPLICANT: Persing, D. H.
TITLE OF INVENTION: PCR DETECTION OF BORRELIA
TITLE OF INVENTION: BURGDOFFERI
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSSE: Schwegman, Lundberg, Woessner & Kluth, P.A.
STREET: P. O. Box 2938
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:

```

Wed Jun 26 10:05:18 2002

APPLICATION NUMBER: US/08/642,807A
FILING DATE: 03-MAY-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/241,496
FILING DATE: 12-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Woessner, Warren D
REGISTRATION NUMBER: 30,440
REFERENCE/DOCKET NUMBER: 150.127U51
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-373-6900
TELEFAX: 612-339-3061
TELEX:
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 1100 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
US-08-642-807A-32

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Query Match      1.2%; Score 16; DB 3; Length 1100;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy	1291	nnnnnnnnnnnnnnnn	1306
Db	1053	NNNNNNNNNNNNNNNN	1068

Search completed: June 22, 2002, 07:55:44
Job time: 7293 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: June 22, 2002, 05:48:26 ; Search time 1732.11 Seconds
(without alignments)
10348.047 Million cell updates/sec

Title: US-09-509-234C-1

Perfect score: 1328

Sequence: 1 nnnnnnnnnnnanaatga.....gaaattacagagtaannn 1328

Scoring table:

OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 13736207 seqs, 6748477542 residues

Word size : 15

Total number of hits satisfying chosen parameters: 8275

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database :

EST:*

1: em_estba: *
2: em_esthum: *
3: em_estin: *
4: em_estmu: *
5: em_estov: *
6: em_estpl: *
7: em_estro: *
8: em_hic: *
9: gb_esti: *
10: gb_est2: *
11: gb_hic: *
12: gb_gss: *
13: em_gss_hum: *
14: em_gss_inv: *
15: em_gss_pln: *
16: em_gss_vrt: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	26	2.0	698	12	A0688088 nbxb0076N
C 2	26	2.0	778	12	A2186959 SP_1008_A
C 3	26	2.0	790	12	A0325762 nbxb0021K
C 4	25	1.9	463	12	BH213183 SALK_0088
C 5	25	1.9	489	12	A2165463 SP_0082_A
C 6	25	1.9	558	12	A0328561 nbxb0043K
C 7	25	1.9	645	10	W27482
C 8	25	1.9	1019	3	Bi644649 op2409 M1
C 9	24	1.8	87	12	BH618435
C 10	24	1.8	159	12	CNS01300
C 11	24	1.8	326	12	CNS009YW
C 12	24	1.8	337	10	BH270207
C 13	24	1.8	359	12	CNS0027H
C 14	24	1.8	372	9	AW977493
C 15	24	1.8	372	12	AQ090902
C 16	24	1.8	425	12	CNS07GRP
C 17	24	1.8	430	12	BH618532

18	24	1.8	433	12	AG171193	AG171193 Pan trogl
C 19	24	1.8	479	12	AZ148060	AZ148060 SP_0011_B
C 20	24	1.8	509	9	BE134884	BE134884 ug20a07.Y
C 21	24	1.8	543	12	AQ772807	AQ772807 HS_3045_B
C 22	24	1.8	553	12	BH023388	BH023388 GH_MBB000
C 23	24	1.8	579	10	W27379	W27379 28c1 Human
C 24	24	1.8	595	12	AQ256216	AQ256216 nbxb0015H
C 25	24	1.8	597	12	AQ363651	AQ363651 nbxb0059H
C 26	24	1.8	605	9	AI529149	AI529149 ui60h08.Y
C 27	24	1.8	640	10	BE427177	BE427177 PSR6031_I
C 28	24	1.8	673	12	AQ578218	AQ578218 nbxb0092B
C 29	24	1.8	674	10	W27605	W27605 35b10 Human
C 30	24	1.8	679	10	W27163	W27163 23a4 Human
C 31	24	1.8	689	10	W22075	W22075 61C2 Human
C 32	24	1.8	704	12	B21357	B21357 F28A5-Sp6_I
C 33	24	1.8	705	9	AI907070	AI907070 FM-BT134-
C 34	24	1.8	708	12	AZ200367	AZ200367 SP_1004_A
C 35	24	1.8	712	12	AQ361799	AQ361799 mgxb0004N
C 36	24	1.8	713	12	AQ331063	AQ331063 nbxb0048L
C 37	24	1.8	717	12	AG011405	AG011405 Homo sapi
C 38	24	1.8	720	12	AZ197399	AZ197399 SP_1034_B
C 39	24	1.8	722	12	AZ199635	AZ199635 SP_1039_B
C 40	24	1.8	731	12	AZ200525	AZ200525 SP_1033_B
C 41	24	1.8	732	9	AI907056	AI907056 FM-BT134-
C 42	24	1.8	736	12	AQ991674	AQ991674 Rfc01633F
C 43	24	1.8	745	12	AQ738773	AQ738773 HS_5386_B
C 44	24	1.8	750	12	AQ365752	AQ365752 nbxb0064K
C 45	24	1.8	759	10	D43354	D43354 D43354 Rice
C 46	24	1.8	759	12	B12963	B12963 T23D1-r7.1
C 47	24	1.8	764	10	W25977	W25977 17d8 Human
C 48	24	1.8	767	12	AQ576024	AQ576024 nbxb0088B
C 49	24	1.8	773	12	AQ861387	AQ861387 nbxb0016F
C 50	24	1.8	778	10	BF866205	BF866205 963064C07
C 51	24	1.8	779	10	W27471	W27471 31d2 Human
C 52	24	1.8	791	12	AZ046289	AZ046289 nbxb0091J
C 53	24	1.8	794	9	BE033700	BE033700 MF07809 M
C 54	24	1.8	796	10	W22165	W22165 65F1 Human
C 55	24	1.8	797	10	W27460	W27460 31C2 Human
C 56	24	1.8	803	10	W27419	W27419 31a10 Human
C 57	24	1.8	808	12	B18870	B18870 F21J19-Sp6
C 58	24	1.8	811	12	AQ744675	AQ744675 HS_5505_A
C 59	24	1.8	813	12	AQ744721	AQ744721 HS_5505_A
C 60	24	1.8	815	12	AQ858408	AQ858408 nbxb0013G
C 61	24	1.8	822	12	AQ740151	AQ740151 HS_5504_A
C 62	24	1.8	826	10	W28431	W28431 49e12 Human
C 63	24	1.8	826	10	W28611	W28611 49b2 Human
C 64	24	1.8	835	12	AG095014	AG095014 Pan trogl
C 65	24	1.8	836	10	W28599	W28599 49a11 Human
C 66	24	1.8	882	12	A2184391	A2184391 SP_1002_B
C 67	24	1.8	925	10	W26625	W26625 34a11 Human
C 68	24	1.8	936	10	W28482	W28482 47e10 Human
C 69	24	1.8	940	12	B09308	B09308 T26L22-Sp6
C 70	24	1.8	944	12	AQ749273	AQ749273 HS_5576_A
C 71	24	1.8	992	12	AQ745316	AQ745316 HS_5503_A
C 72	24	1.8	995	12	BF272432	BF272432 GA_EB001
C 73	24	1.8	1015	9	AI438239	AI438239 SNOVAFCAP
C 74	24	1.8	1016	10	BM473972	BM473972 AGENCOURT
C 75	24	1.8	1018	10	BF178319	BF178319 EST92 mic
C 76	24	1.8	1060	12	CNS0076A	AL066870 Drosophi1
C 77	24	1.8	1082	9	AI438238	AI438238 SNOVAFCAP
C 78	24	1.8	1095	12	AQ741834	AQ741834 HS_5568_B
C 79	24	1.8	1101	12	CNS002R8	AL098030 Drosophi1
C 80	24	1.8	1114	9	AI539890	AI539890 SNOVAFCAP
C 81	24	1.8	1189	12	AG040366	AG040366 Pan trogl
C 82	24	1.8	1204	10	BM452144	BM452144 AGENCOURT
C 83	24	1.8	1244	10	BE422228	BE422228 HWM021cG
C 84	24	1.8	1320	12	AG038111	AG038111 Pan trogl
C 85	24	1.8	2663	9	AW727897	AW727897 GA_Ea002
C 86	23	1.7	453	12	AQ857736	AQ857736 nbxb0011G
C 87	23	1.7	503	10	B1890898	B1890898 ZF6377-3-0
C 88	23	1.7	506	12	AZ143700	AZ143700 SP_0043_B
C 89	23	1.7	509	12	AQ915477	AQ915477 nbxb0058A
C 90	23	1.7	560	9	AV858241	AV858241 AV858241

237	19	1.4	606	12	AQ156849	AQ156849 nbxb0008F	310	18	1.4	542	10	BG485746	BG485746 NXPV_038
238	19	1.4	612	12	AQ618783	AQ618783 HS_5166_B	C 311	18	1.4	544	12	CNS01207	AL101881 Drosophill
c 239	19	1.4	629	12	CNS01377	AL103455 Drosophill	C 312	18	1.4	549	12	AZ143040	AZ143040 SP_0041_B
240	19	1.4	646	12	AG012133	AG012133 Homo sapi	C 313	18	1.4	559	12	AQ690016	AQ690016 nbxb0081G
241	19	1.4	680	10	BG441143	BG441143 GA_Ea001	C 314	18	1.4	563	12	AL108129	AL108129 Drosophill
c 242	19	1.4	710	9	AI438728	AI438728 SWOV3MCAM	C 315	18	1.4	571	12	AQ821582	AQ821582 HS_5333_A
c 243	19	1.4	714	12	AZ192040	AZ192040 SP_1020_B	C 316	18	1.4	584	10	BM341563	BM341563 MEST336-F
c 244	19	1.4	716	12	AZ184487	AZ184487 SP_1003_A	C 317	18	1.4	591	12	CNS0105D	AL098539 Drosophill
c 245	19	1.4	725	10	BE413921	BE413921 SCU004.DO	C 318	18	1.4	596	12	AQ332339	AQ332339 HS_5002_B
c 246	19	1.4	734	9	AI907080	AI907080 PM-BH1334-	C 319	18	1.4	600	10	W26715	W26715 12f3 Human
c 247	19	1.4	741	12	AQ747833	AQ747833 HS_5537_A	C 320	18	1.4	601	12	AQ783451	AQ783451 HS_3197_A
c 248	19	1.4	754	12	CNS0142A	AL103612 Drosophill	C 321	18	1.4	611	12	CNS004P4	AL054345 Drosophill
c 249	19	1.4	760	10	W28581	W28581 49f1 Human	C 322	18	1.4	613	10	BI678846	BI678846 SWS744 SW
c 250	19	1.4	771	3	BI645302	BI645302 OP2042 M1	C 323	18	1.4	613	10	W27439	W27439 31g1 Human
c 251	19	1.4	776	10	W22072	W22072 61B8 Human	C 324	18	1.4	614	12	CNS010B2	AL098744 Drosophill
c 252	19	1.4	777	12	AQ325246	AQ325246 mgxb0021M	C 325	18	1.4	615	12	CNS010G2	AL098924 Drosophill
c 253	19	1.4	788	12	AG117202	AG117202 Pan trogl	C 326	18	1.4	624	12	AQ664612	AQ664612 HS_5234_A
254	19	1.4	808	12	CNS0136A	AL102460 Drosophill	C 327	18	1.4	628	12	AQ802195	AQ802195 HS_3167_B
255	19	1.4	827	12	AQ749110	AQ749110 HS_5358_A	C 328	18	1.4	640	10	BM337503	BM337503 MEST207-G
256	19	1.4	828	12	AQ742965	AQ742965 HS_5386_B	C 329	18	1.4	640	10	BM349594	BM349594 MEST252-D
c 257	19	1.4	829	10	W28069	W28069 44f3 Human	C 330	18	1.4	649	12	AZ178369	AZ178369 SP_0161_A
c 258	19	1.4	840	12	AZ188428	AZ188428 SP_1012_A	C 331	18	1.4	650	10	BF297383	BF297383 OS1PBA11
c 259	19	1.4	864	10	W28494	W28494 47h12 Human	C 332	18	1.4	652	9	AW956585	AW956585 EST368670
c 260	19	1.4	883	10	BF607122	BF607122 MFL_00006	C 333	18	1.4	652	12	AQ515657	AQ515657 HS_5237_A
c 261	19	1.4	891	9	AI605948	AI605948 mu41g11.Y	C 334	18	1.4	654	12	AQ561467	AQ561467 HS_5189_B
c 262	19	1.4	917	12	AG160672	AG160672 Pan trogl	C 335	18	1.4	663	10	BM336005	BM336005 MEST186-A
c 263	19	1.4	980	12	AG076025	AG076025 Pan trogl	C 336	18	1.4	664	12	CNS013JK	AL102938 Drosophill
c 264	19	1.4	988	12	CNS013VK	AL102074 Drosophill	C 337	18	1.4	668	12	AQ725569	AQ725569 HS_5394_A
c 265	19	1.4	1050	10	BI180678	BI180678 LRH20G8_L	C 338	18	1.4	670	12	AG016061	AG016061 Homo sapi
c 266	19	1.4	1058	10	BM423594	BM423594 AGENCOURT	C 339	18	1.4	675	10	BI886875	BI886875 2F637-1-0
c 267	19	1.4	1101	12	CNS0082W	AL052948 Drosophill	C 340	18	1.4	677	12	AQ324718	AQ324718 mgxb0019J
c 268	19	1.4	1101	12	CNS000ELT	AL070953 Drosophill	C 341	18	1.4	682	10	W27604	W27604 35b1 Human
c 269	19	1.4	1101	12	CNS000LTM	AL068473 Drosophill	C 342	18	1.4	684	10	W27140	W27140 24g11 Human
c 270	19	1.4	1101	12	CNS017QM	AL083835 Drosophill	C 343	18	1.4	688	10	BM337303	BM337303 MEST205-H
c 271	19	1.4	1111	12	AG014679	AG014679 nbxb0049M	C 344	18	1.4	696	10	BF865341	BF865341 963058H11
c 272	19	1.4	1164	10	BE422124	BE422124 HBM02020C	C 345	18	1.4	704	12	BI0025	BI0025 T3F24-Sp6 T
c 273	19	1.4	1203	10	BE427878	BE427878 PSR6884_I	C 346	18	1.4	704	12	AG013874	AG013874 Homo sapi
c 274	19	1.4	1491	12	AG172774	AG172774 Pan trogl	C 347	18	1.4	704	12	AG090382	AG090382 Pan trogl
c 275	19	1.4	1700	3	BI644765	BI644765 OP2259 M1	C 348	18	1.4	707	12	BI9588	BI9588 T2203-T7.1
c 276	19	1.4	1791	12	AG056213	AG056213 Pan trogl	C 349	18	1.4	707	12	AG102499	AG102499 Homo sapi
c 277	18	1.4	33	12	CNS000B2R	AL056350 Drosophill	C 350	18	1.4	708	12	BI9526	BI9526 F20116-T7.1
c 278	18	1.4	102	12	CNS000H28	AL072840 Drosophill	C 351	18	1.4	718	10	BM348669	BM348669 MEST294-E
c 279	18	1.4	130	12	CNS000HV1	AL074079 Drosophill	C 352	18	1.4	722	10	W27620	W27620 35c8 Human
c 280	18	1.4	154	12	CNS014WM	AL104704 Drosophill	C 353	18	1.4	737	12	AG098331	AG098331 Pan trogl
c 281	18	1.4	234	9	AV919220	AV919220 AV919220	C 354	18	1.4	738	10	BM350624	BM350624 MEST211-B
c 282	18	1.4	279	12	CNS0002Y1	AL098292 Drosophill	C 355	18	1.4	738	10	W25801	W25801 13f3 Human
c 283	18	1.4	299	12	CNS07H03	AL610437 Anopheles	C 356	18	1.4	739	10	W25909	W25909 14g9 Human
c 284	18	1.4	322	12	BH610817	BH610817 SALK_0180	C 357	18	1.4	742	10	BM332671	BM332671 MEST176-A
c 285	18	1.4	339	12	BH616955	BH616955 SALK_0357	C 358	18	1.4	751	12	AG008138	AG008138 Homo sapi
c 286	18	1.4	342	9	AI752889	AI752889 cr01h01.X	C 359	18	1.4	752	12	AG179858	AG179858 Pan trogl
c 287	18	1.4	351	12	CNS0008KT	AL071910 Drosophill	C 360	18	1.4	756	12	CNS009K8H	AL053790 Drosophill
c 288	18	1.4	355	12	CNS0004GW	AL078480 Drosophill	C 361	18	1.4	758	10	W28084	W28084 41g8 Human
c 289	18	1.4	356	10	BI784123	BI784123 kh31b03.Y	C 362	18	1.4	760	12	AQ896736	AQ896736 HS_3153_A
c 290	18	1.4	383	12	CNS000JCX	AL076019 Drosophill	C 363	18	1.4	762	10	W27090	W27090 20b4 Human
c 291	18	1.4	385	10	BM350294	BM350294 MEST263-G	C 364	18	1.4	763	12	AG047248	AG047248 Pan trogl
c 292	18	1.4	387	9	AW958489	AW958489 EST370559	C 365	18	1.4	764	12	CNS000D6B	AL060281 Drosophill
c 293	18	1.4	390	12	CNS0066EE	AL062851 Drosophill	C 366	18	1.4	768	3	BI645311	BI645311 OP2138 M1
c 294	18	1.4	397	10	BI747179	BI747179 km36h03.Y	C 367	18	1.4	779	12	BI8684	BI8684 F23C5-T7.1
c 295	18	1.4	434	12	BH250915	BH250915 SALK_0107	C 368	18	1.4	788	10	BM480308	BM480308 AGENCOURT
c 296	18	1.4	438	12	AZ152507	AZ152507 SP_0028_A	C 369	18	1.4	790	10	BF066045	BF066045 HV_CEB001
c 297	18	1.4	442	12	BH213314	BH213314 SALK_0090	C 370	18	1.4	792	10	BM393076	BM393076 50071-2-5
c 298	18	1.4	456	10	BG520374	BG520374 ps20q04.Y	C 371	18	1.4	792	10	BM393464	BM393464 50073-2-5
c 299	18	1.4	458	12	AZ161436	AZ161436 SP_0069_B	C 372	18	1.4	808	10	BE421799	BE421799 HBM014CG
c 300	18	1.4	463	12	BH611836	BH611836 SALK_0317	C 373	18	1.4	814	12	AZ198861	AZ198861 SP_1038_B
c 301	18	1.4	467	12	BH212559	BH212559 SALK_0077	C 374	18	1.4	816	12	AQ863301	AQ863301 nbxb0020P
c 302	18	1.4	471	10	W27334	W27334 27f12 Human	C 375	18	1.4	822	12	AQ749552	AQ749552 HS_5575_A
c 303	18	1.4	485	12	CNS000220	AL097122 Drosophill	C 376	18	1.4	823	12	CNS0105K	AL098546 Drosophill
c 304	18	1.4	498	12	BH172709	BH172709 SALK_0060	C 377	18	1.4	825	12	AZ196113	AZ196113 SP_1031_A
c 305	18	1.4	518	9	AL523777	AL523777 AL523777	C 378	18	1.4	826	12	CNS0132C	AL102318 Drosophill
c 306	18	1.4	518	12	AQ465238	AQ465238 HS_5072_B	C 379	18	1.4	839	12	AQ751739	AQ751739 HS_5568_B
c 307	18	1.4	532	10	BM349263	BM349263 MEST246-G	C 380	18	1.4	844	12	AQ746350	AQ746350 HS_2277_A
c 308	18	1.4	540	10	BM074692	BM074692 MEST296-D	C 381	18	1.4	861	12	B20940	B20940 T6B15-T7 TA
c 309	18	1.4	540	12	AZ145010	AZ145010 SP_0019_B	C 382	18	1.4	862	12	CNS013MG	AL103042 Drosophill

C 383	18	1.4	864	12	AG175870	Pan trogl	C 456	17	1.3	200	12	CNS0039C	AL063917 Drosophill
C 384	18	1.4	869	12	CNS002EK	AL097574 Drosophill	C 457	17	1.3	202	12	CNS010TO	AL099416 Drosophill
C 385	18	1.4	870	12	AO741290	AO741290 HS_5534-A	C 458	17	1.3	207	12	CNS013L3	AL102993 Drosophill
C 386	18	1.4	874	12	B10287	B10287 T12C8-T7 TA	C 459	17	1.3	210	12	CNS011AM	AL100034 Drosophill
C 387	18	1.4	881	12	W26687	W26687 34d6 Human	C 460	17	1.3	215	9	AW156842	AW156842 sea1068.y
C 388	18	1.4	884	12	CNS01259	AL101137 Drosophill	C 461	17	1.3	239	10	BM092012	BM092012 Drosophill
C 389	18	1.4	885	12	W26628	W26628 34d4 Human	C 462	17	1.3	252	12	BM618025	BM618025 SALK_0383
C 390	18	1.4	885	12	CNS012GX	AL101358 Drosophill	C 463	17	1.3	261	12	CNS00FRZ	AL071175 Drosophill
C 391	18	1.4	886	12	AO749812	AO749812 HS_5573-A	C 464	17	1.3	263	9	BE058741	BE058741 sn20c01.y
C 392	18	1.4	890	12	B1644464	B1644464 OP2191.M1	C 465	17	1.3	273	12	BH253165	BH253165 SALK_0145
C 393	18	1.4	895	12	AZ198010	AZ198010 SE_1036-B	C 466	17	1.3	276	12	BH634199	BH634199 SALK_0448
C 394	18	1.4	920	12	AT438725	AT438725 SMOV3MCM	C 467	17	1.3	284	10	B1783357	B1783357 k118h02.Y
C 395	18	1.4	922	12	CNS00ZOC	AL098002 Drosophill	C 468	17	1.3	285	9	AW974475	AW974475 EST386579
C 396	18	1.4	926	12	B10413	B10413 P2615-SP6 I	C 469	17	1.3	285	12	CNS00GU1	AW974475 Drosophill
C 397	18	1.4	928	12	B09063	B09063 F20P19-SP6	C 470	17	1.3	287	9	AW132190	AW132190 sde7d02.Y
C 398	18	1.4	932	12	AO747290	AO747290 HS_5537-A	C 471	17	1.3	291	12	AO066489	AO066489 HS_2247-A
C 399	18	1.4	934	12	B12492	B12492 F17P6-SP6 I	C 472	17	1.3	294	10	B1945129	B1945129 sb26c10.Y
C 400	18	1.4	945	12	CNS0549S	AL320473 Tetradon	C 473	17	1.3	296	10	BF597977	BF597977 sub9h05.Y
C 401	18	1.4	959	12	CNS05GCG	AL336107 Tetradon	C 474	17	1.3	296	12	BH213829	BH213829 SALK_0097
C 402	18	1.4	966	10	W28562	W28562 48g11 Human	C 475	17	1.3	305	10	B1498003	B1498003 sag30g10.Y
C 403	18	1.4	969	10	W08324	W08324 mb40g10.r1	C 476	17	1.3	307	12	CNS012IP	AL101611 Drosophill
C 404	18	1.4	988	10	W26659	W26659 34d2 Human	C 477	17	1.3	309	12	BH613962	BH613962 SALK_0352
C 405	18	1.4	997	12	CNS005TE	AL060767 Drosophill	C 478	17	1.3	310	12	BH617007	BH617007 SALK_0358
C 406	18	1.4	1009	12	AG134488	AG134488 Pan trogl	C 479	17	1.3	312	10	B1742891	B1742891 kx36c10.Y
C 407	18	1.4	1020	10	BM415405	BM415405 OP20479.M	C 480	17	1.3	318	10	B1020356	B1020356 BJO20356
C 408	18	1.4	1027	10	BM463476	BM463476 AGENCOURT	C 481	17	1.3	318	12	BH252532	BH252532 SALK_0135
C 409	18	1.4	1033	12	AG136543	AG136543 Pan trogl	C 482	17	1.3	330	10	BM342472	BM342472 fw44d07.Y
C 410	18	1.4	1041	12	CNS057PR	AL324936 Tetradon	C 483	17	1.3	332	12	CNS013OX	AL103203 Drosophill
C 411	18	1.4	1042	10	BE427789	BE427789 PSR6749.I	C 484	17	1.3	334	12	CNS010XL	AL099555 Drosophill
C 412	18	1.4	1057	9	AI581449	AI581449 SMOV3MCM	C 485	17	1.3	336	12	AO094010	AO094010 HS_2199-A
C 413	18	1.4	1057	12	AG161620	AG161620 Pan trogl	C 486	17	1.3	338	9	AA214964	AA214964 mu83a06.x
C 414	18	1.4	1058	12	CNS0516K	AL342389 Tetradon	C 487	17	1.3	339	12	CNS00ZE6	AL097560 Drosophill
C 415	18	1.4	1073	12	AG101312	AG101312 Pan trogl	C 488	17	1.3	341	10	B1781919	B1781919 kx36c10.Y
C 416	18	1.4	1094	10	BM458870	BM458870 AGENCOURT	C 489	17	1.3	346	12	AG171212	AG171212 Pan trogl
C 417	18	1.4	1101	10	BM471102	BM471102 AGENCOURT	C 490	17	1.3	347	9	AW069964	AW069964 mg1e1002B
C 418	18	1.4	1101	12	CNS00GEX	AL1072174 Drosophill	C 491	17	1.3	348	10	B1427247	B1427247 sal78a09.Y
C 419	18	1.4	1101	12	CNS016WC	AL107288 Drosophill	C 492	17	1.3	349	12	AI736154	AI736154 sb23h04.Y
C 420	18	1.4	1101	12	CNS016MC	AL107288 Drosophill	C 493	17	1.3	351	12	CNS07FAP	AL068222 Anopheles
C 421	18	1.4	1107	9	AI381159	AI381159 SMOV1CAR	C 494	17	1.3	351	10	BM025809	BM025809 f83f101.Y
C 422	18	1.4	1178	12	BE420639	BE420639 HHM001.AO	C 495	17	1.3	358	9	AW077052	AW077052 f104c01.Y
C 423	18	1.4	1257	12	AO914678	AO914678 nbe0049M	C 496	17	1.3	358	12	AO300005	AO300005 HS_3076-B
C 424	18	1.4	1250	12	AG132022	AG132022 Pan trogl	C 497	17	1.3	362	10	BF437779	BF437779 7p76d01.x
C 425	18	1.4	1283	10	BM4737476	BM4737476 AGENCOURT	C 498	17	1.3	362	12	CNS001CB	AL067936 Drosophill
C 426	18	1.4	1283	10	AO878968	AO878968 HS_3154-A	C 499	17	1.3	363	10	BE247486	BE247486 TCBRPIR64
C 427	18	1.4	1376	12	AG030232	AG030232 Pan trogl	C 500	17	1.3	368	12	CNS00DDH	AL076248 Drosophill
C 428	18	1.4	1588	12	AG029906	AG029906 Pan trogl	C 501	17	1.3	368	10	B1939099	B1939099 daa82e01.Y
C 429	18	1.4	1877	3	BI644353	BI644353 OP2072.M1	C 502	17	1.3	369	12	AO137700	AO137700 HS_3065-B
C 430	18	1.4	1926	12	AG123346	AG123346 Pan trogl	C 503	17	1.3	371	9	AW953318	AW953318 EST365388
C 431	18	1.4	1966	9	AW730391	AW730391 GA_Ea002	C 504	17	1.3	372	12	AO090902	AO090902 HS_3009-B
C 432	18	1.4	1991	12	AG055545	AG055545 Pan trogl	C 505	17	1.3	374	10	BI703216	BI703216 f845e04.Y
C 433	18	1.4	2033	12	AG120692	AG120692 Pan trogl	C 506	17	1.3	375	12	CNS00G16	AL072219 Drosophill
C 434	18	1.4	2070	3	BI644728	BI644728 OP2492.M1	C 507	17	1.3	377	10	BI945682	BI945682 sc46h11.Y
C 435	18	1.4	2149	12	AG170973	AG170973 Pan trogl	C 508	17	1.3	377	10	BM356370	BM356370 kx63f05.Y
C 436	18	1.4	2312	9	BE054816	BE054816 GA_Ea003	C 509	17	1.3	389	10	BM026161	BM026161 fu75d05.Y
C 437	18	1.4	2464	12	AG030682	AG030682 Pan trogl	C 510	17	1.3	394	10	BI749172	BI749172 ro74g08.Y
C 438	18	1.4	2509	9	AW730170	AW730170 GA_Ea000	C 511	17	1.3	394	12	CNS02ICB	AL198740 Tetradon
C 439	18	1.4	2946	12	AG053805	AG053805 Pan trogl	C 512	17	1.3	395	12	AM990457	AM990457 uf37c06.Y
C 440	18	1.4	3416	10	BM415288	BM415288 OP20360.M	C 513	17	1.3	398	9	BF296577	BF296577 039pBa03
C 441	18	1.4	43	12	CNS00884	AL052178 Drosophill	C 514	17	1.3	399	10	BM026415	BM026415 f707f06.Y
C 442	17	1.3	43	12	CNS00DBH	AL075967 Drosophill	C 515	17	1.3	402	10	BG088637	BG088637 H315G05-
C 443	17	1.3	77	12	CNS00KIP	AL075967 Drosophill	C 516	17	1.3	402	10	BM026415	BM026415 fv98e04.Y
C 444	17	1.3	86	12	CNS00KIP	AL1522632 f66f102.x	C 517	17	1.3	405	10	BM186146	BM186146 fv98e04.Y
C 445	17	1.3	88	9	AI522632	AI522632 f66f102.x	C 518	17	1.3	405	9	AW762642	AW762642 uf64g11.Y
C 446	17	1.3	92	12	CNS00CEX	AL052165 Drosophill	C 519	17	1.3	409	10	BG310541	BG310541 SMOV3MCM
C 447	17	1.3	94	12	CNS00BSC	AL052165 Drosophill	C 520	17	1.3	409	10	BG310541	BG310541 SALK_0407
C 448	17	1.3	95	12	CNS00DBA	AL052165 Drosophill	C 521	17	1.3	411	12	BH619290	BH619290 SALK_0430
C 449	17	1.3	103	12	CNS00DBA	AL052165 Drosophill	C 522	17	1.3	415	12	CNS00AK2	AL055576 Drosophill
C 450	17	1.3	125	10	BE241434	BE241434 TCAP1D00	C 523	17	1.3	419	12	BI527572	BI527572 102408260
C 451	17	1.3	139	10	BJ139287	BJ139287 R0139287	C 524	17	1.3	425	12	BH633713	BH633713 SALK_0430
C 452	17	1.3	162	12	CNS016CK	AL106767 Drosophill	C 525	17	1.3	427	9	AT1752954	AT1752954 ct02906.x
C 453	17	1.3	176	12	BH610869	BH610869 SALK_0181	C 526	17	1.3	427	10	BM070287	BM070287 l880c03.Y
C 454	17	1.3	197	10	BG520397	BG520397 ps13h11.Y	C 527	17	1.3	429	12	BH616939	BH616939 SALK_0356
C 455	17	1.3	199	12	CNS07HNG	AL611278 Anopheles	C 528	17	1.3	429	12	BH634254	BH634254 SALK_0450

[illegible]

C 675	17	1.3	641	12	AQ510128	AQ510128 nbxb0094H	C 748	17	1.3	727	10	W25918	W25918 14h7 Human
C 676	17	1.3	647	10	B1352769	B1352769 ppp1n.pk0	C 749	17	1.3	730	12	AG184885	AG184885 Pan trogl
C 677	17	1.3	647	10	W27033	W27033 19d9 Human	C 750	17	1.3	731	12	AZ200484	AZ200484 SP_1025_A
C 678	17	1.3	647	10	W27819	W27819 38b9 Human	C 751	17	1.3	732	10	W26017	W26017 18b6 Human
C 679	17	1.3	647	12	B10659	B10659 F14O3-r7 IG	C 752	17	1.3	732	12	AG012520	AG012520 Homo sapi
C 680	17	1.3	649	10	W27563	W27563 34g10 Human	C 753	17	1.3	733	12	AG163895	AG163895 Pan trogl
C 681	17	1.3	650	10	BE427593	BE427593 PSR7237 I	C 754	17	1.3	734	12	AG174008	AG174008 Pan trogl
C 682	17	1.3	650	10	BE427606	BE427606 PSR7251 I	C 755	17	1.3	735	12	AG173962	AG173962 Pan trogl
C 683	17	1.3	650	10	BE427611	BE427611 PSR7359 I	C 756	17	1.3	736	12	AG126221	AG126221 Pan trogl
C 684	17	1.3	650	10	BE427682	BE427682 PSR7359 I	C 757	17	1.3	736	12	CNS00DMC	CNS00DMC
C 685	17	1.3	652	12	AG015473	AG015473 Homo sapi	C 758	17	1.3	739	10	AZ199789	AZ199789 SP_1040_B
C 686	17	1.3	653	9	AW963003	AW963003 EST375076	C 759	17	1.3	740	10	B1887634	B1887634 ZF637-1-0
C 687	17	1.3	653	12	AZ183514	AZ183514 HS_1001_A	C 760	17	1.3	740	12	AQ331048	AQ331048 nbxb0048L
C 688	17	1.3	654	12	AQ562119	AQ562119 HS_5234_A	C 761	17	1.3	742	10	W26711	W26711 13e3 Human
C 689	17	1.3	656	10	BM268277	BM268277 MEST379-H	C 762	17	1.3	744	12	AZ192534	AZ192534 SP_1021_B
C 690	17	1.3	656	10	BF297428	BF297428 051PBF03	C 763	17	1.3	744	12	AG001227	AG001227 Homo sapi
C 691	17	1.3	656	12	AG085349	AG085349 Pan trogl	C 764	17	1.3	744	12	AG090934	AG090934 Pan trogl
C 692	17	1.3	658	10	W27617	W27617 35c5 Human	C 765	17	1.3	745	12	B21442	B21442 T13F1-T7 TA
C 693	17	1.3	662	10	BM158630	BM158630 NX1LV_037	C 766	17	1.3	746	12	AQ273343	AQ273343 nbxb0029H
C 694	17	1.3	662	12	AG012151	AG012151 Homo sapi	C 767	17	1.3	749	12	AQ745752	AQ745752 HS_2272_A
C 695	17	1.3	664	10	W22078	W22078 61C6 Human	C 768	17	1.3	749	12	AZ190837	AZ190837 SP_1018_A
C 696	17	1.3	665	10	W26806	W26806 13a1 Human	C 769	17	1.3	749	12	AG014159	AG014159 Homo sapi
C 697	17	1.3	666	12	AQ681641	AQ681641 HS_2161_A	C 770	17	1.3	751	12	CNS00EB3	CNS00EB3
C 698	17	1.3	666	12	AZ170832	AZ170832 SP_0117_B	C 771	17	1.3	751	10	W22516	W22516
C 699	17	1.3	668	10	BM479093	BM479093 AGENCOURT	C 772	17	1.3	752	12	AQ740847	AQ740847
C 700	17	1.3	668	12	AG162235	AG162235 Pan trogl	C 773	17	1.3	752	12	B09379	B09379 T23N2-T7 T
C 701	17	1.3	672	10	W22071	W22071 61B7 Human	C 774	17	1.3	754	12	BH023302	BH023302 GH_MBB000
C 702	17	1.3	672	12	AQ879610	AQ879610 HS_4816_A	C 775	17	1.3	754	12	CNS013X1	CNS013X1
C 703	17	1.3	674	10	AQ567988	AQ567988 HS_5245_A	C 776	17	1.3	755	12	AG099477	AG099477
C 704	17	1.3	674	12	BE301568	BE301568 b18e07.x	C 777	17	1.3	756	9	AW348682	AW348682
C 705	17	1.3	674	12	AG016279	AG016279 Homo sapi	C 778	17	1.3	757	10	BG194332	BG194332 RST13467
C 706	17	1.3	674	12	AQ622404	AQ622404 HS_5234_B	C 779	17	1.3	757	12	AZ184797	AZ184797 SP_1003_B
C 707	17	1.3	675	12	AQ051307	AQ051307 nbxb0001C	C 780	17	1.3	759	10	BF21467	BF21467 GA_EB001
C 708	17	1.3	676	12	CNS003XU	AL065304 Drosophila	C 781	17	1.3	760	12	B20291	B20291 T21L20-T7 T
C 709	17	1.3	680	9	BE035709	BE035709 M015F06 M	C 782	17	1.3	762	12	AG170762	AG170762 Pan trogl
C 710	17	1.3	681	9	AU066913	AU066913	C 783	17	1.3	763	10	W27556	W27556 32e11 Human
C 711	17	1.3	682	12	AQ289676	AQ289676 nbxb0019P	C 784	17	1.3	763	10	AQ862261	AQ862261 nbxb0018K
C 712	17	1.3	682	12	AG008168	AG008168 Homo sapi	C 785	17	1.3	766	10	BM476693	BM476693 AGENCOURT
C 713	17	1.3	683	12	CNS00656	AL062807 Drosophila	C 786	17	1.3	767	10	W25896	W25896 17c12 Human
C 714	17	1.3	683	12	AQ468491	AQ468491 HS_5216_B	C 787	17	1.3	767	3	B1644583	B1644583 OP2335 M1
C 715	17	1.3	683	12	AQ524976	AQ524976 HS_5244_A	C 788	17	1.3	767	10	W28656	W28656 50g1 Human
C 716	17	1.3	684	10	W22047	W22047 61A11 Human	C 789	17	1.3	768	9	AV384040	AV384040 AV384040
C 717	17	1.3	685	10	B1891199	B1891199 ZF637-3-0	C 790	17	1.3	769	12	CNS001J2	AL075146 Drosophila
C 718	17	1.3	685	12	AG170064	AG170064 Pan trogl	C 791	17	1.3	770	10	W27830	W27830 38a10 Human
C 719	17	1.3	687	12	AQ854126	AQ854126 nbxb0053J	C 792	17	1.3	772	3	B1645307	B1645307 OP22079 M1
C 720	17	1.3	688	12	AQ325924	AQ325924 nbxb0021P	C 793	17	1.3	772	12	AG111825	AG111825 Pan trogl
C 721	17	1.3	688	12	AG148303	AG148303 Pan trogl	C 794	17	1.3	772	12	CNS007VL	AL050891 Drosophila
C 722	17	1.3	695	10	W26807	W26807 13a2 Human	C 795	17	1.3	773	10	B1892255	B1892255 ZF637-3-0
C 723	17	1.3	698	10	W22221	W22221 66E3 Human	C 796	17	1.3	775	3	B1645324	B1645324 OP2230 M1
C 724	17	1.3	699	12	AG015209	AG015209 Homo sapi	C 797	17	1.3	776	10	W27087	W27087 20B12 Human
C 725	17	1.3	700	12	AG111804	AG111804 Pan trogl	C 798	17	1.3	777	3	B1645328	B1645328 OP22271 M1
C 726	17	1.3	701	12	AG009216	AG009216 Homo sapi	C 799	17	1.3	777	10	W28083	W28083 41g5 Human
C 727	17	1.3	703	9	AW511307	AW511307 hd45b07.x	C 800	17	1.3	777	12	AG159722	AG159722 Pan trogl
C 728	17	1.3	704	12	AG015189	AG015189 Homo sapi	C 801	17	1.3	778	3	B1645402	B1645402 OP2929 M1
C 729	17	1.3	707	12	AG094869	AG094869 Pan trogl	C 802	17	1.3	780	10	W28099	W28099 42a12 Human
C 730	17	1.3	708	10	BS409827	BS409827 S10-4-H1	C 803	17	1.3	780	10	BE412110	BE412110 J1L102 Human
C 731	17	1.3	708	12	AG013963	AG013963 Homo sapi	C 804	17	1.3	780	12	B21496	B21496 F6L7-SP6 IG
C 732	17	1.3	710	12	BM078479	BM078479 MEST120-B	C 805	17	1.3	781	12	AQ743554	AQ743554 HS_5482_B
C 733	17	1.3	710	12	AG014922	AG014922 Homo sapi	C 806	17	1.3	782	12	AQ857995	AQ857995 nbxb0011F
C 734	17	1.3	714	10	W28224	W28224 46f8 Human	C 807	17	1.3	783	12	W28342	W28342 45b9 Human
C 735	17	1.3	714	12	AQ324949	AQ324949 mgxb0020E	C 808	17	1.3	786	12	B21243	B21243 F4P11-SP6 I
C 736	17	1.3	717	12	AG034621	AG034621 Pan trogl	C 809	17	1.3	787	12	CNS007XT	AL050971 Drosophila
C 737	17	1.3	718	9	AT181153	AT181153 SMOVL2CAS	C 810	17	1.3	788	9	A1878093	A1878093 fc57404.Y
C 738	17	1.3	721	12	AG008686	AG008686 Homo sapi	C 811	17	1.3	789	12	B19994	B19994 F26119-SP6
C 739	17	1.3	721	9	CNS012PW	AL101870 Drosophila	C 812	17	1.3	789	12	B1644588	B1644588 OP2341 M1
C 740	17	1.3	722	12	BE035702	BE035702 M015D08 M	C 813	17	1.3	790	3	W27449	W27449 31b1 Human
C 741	17	1.3	722	12	AG014235	AG014235 Homo sapi	C 814	17	1.3	791	10	AQ744585	AQ744585 HS_5504_A
C 742	17	1.3	723	12	AZ185759	AZ185759 SP_1005_B	C 815	17	1.3	793	12	W28658	W28658 49g6 Human
C 743	17	1.3	724	12	AZ185086	AZ185086 SP_1004_A	C 816	17	1.3	793	9	BE034370	BE034370 MH03H02 M
C 744	17	1.3	725	12	AQ835428	AQ835428 HS_5322_A	C 817	17	1.3	795	10	W28668	W28668 49b7 Human
C 745	17	1.3	725	12	AG011592	AG011592 Homo sapi	C 818	17	1.3	795	12	AZ935161	AZ935161 B1_Ba000
C 746	17	1.3	725	12	AG159808	AG159808 Pan trogl	C 819	17	1.3	796	12	AQ748903	AQ748903 HS_5574_A
C 747	17	1.3	726	12	B18951	B18951 F611-SP6 IG	C 820	17	1.3	796	12	AQ869750	AQ869750 nbxb0035L

C 821	17	1.3	798	12	CNS00AJA	AL055851 Drosophil	894	17	1.3	907	12	AQ744133	AQ744133 HS_5507_A
C 822	17	1.3	800	12	AQ752606	AQ752606 HS_5565_B	895	17	1.3	908	12	CNS013L6	AL102996 Drosophil
C 823	17	1.3	801	12	AQ751208	AQ751208 HS_5574_B	896	17	1.3	909	10	BM458607	BM458607 AGENCOURT
C 824	17	1.3	806	12	AG046003	AG046003 Pan trogl	C 897	17	1.3	912	10	W26647	W26647 34c12 Human
C 825	17	1.3	807	12	AQ745641	AQ745641 HS_2273_A	C 898	17	1.3	916	12	CNS00HAB	AL107332 Drosophil
C 826	17	1.3	809	12	AZ195123	AZ195123 SP_1029_A	C 899	17	1.3	920	12	AG112018	AG112018 Pan trogl
C 827	17	1.3	809	12	BI0155	BI0155 F4F14-Sp6.1	C 900	17	1.3	920	12	CNS04TD1	AL306334 Tetraodon
C 828	17	1.3	811	12	AQ744749	AQ744749 HS_5505_A	C 901	17	1.3	922	12	AG120816	AQ780816 HS_3104_B
C 829	17	1.3	811	12	AQ878680	AQ878680 HS_3106_B	C 902	17	1.3	922	12	AZ183799	AZ183799 SP_1002_A
C 830	17	1.3	812	12	B20238	B20238 F28J7-T7 IG	C 903	17	1.3	924	12	W27540	W27540 32c10 Human
C 831	17	1.3	815	12	AG862043	AG862043 nbe0018M	C 904	17	1.3	924	12	CNS00752	AL066859 Drosophil
C 832	17	1.3	816	12	CNS010PW	AL099278 Drosophil	C 905	17	1.3	925	12	AG040436	AG040436 Pan trogl
C 833	17	1.3	818	12	BI8827	BI8827 F12L15-Sp6	C 906	17	1.3	933	12	BM455029	BM455029 AGENCOURT
C 834	17	1.3	820	9	BE055573	BE055573 GA_Ea003	C 907	17	1.3	933	12	CNS00CFN	AL059220 Drosophil
C 835	17	1.3	821	10	W27906	W27906 39d11 Human	C 908	17	1.3	934	12	BI2492	BI2492 F17P6-Sp6 I
C 836	17	1.3	822	10	W25820	W25820 14e1 Human	C 909	17	1.3	935	9	AU066632	AU066632 AU066632
C 837	17	1.3	822	12	AG164645	AG164645 Pan trogl	C 910	17	1.3	936	12	CNS00L44	AL067742 Drosophil
C 838	17	1.3	822	12	CNS004LL	AL052804 Drosophil	C 911	17	1.3	937	12	B08265	B08265 F2F7-T7 IG
C 839	17	1.3	824	10	W27717	W27717 39d9 Human	C 912	17	1.3	940	12	AG145056	AG145056 Pan trogl
C 840	17	1.3	825	9	AI557565	AI557565 pt2.1-1.A	C 913	17	1.3	942	12	W28594	W28594 48h7 Human
C 841	17	1.3	828	9	AI557117	AI557117 PT2.1-13_A	C 914	17	1.3	942	12	AQ896006	AQ896006 HS_4861_B
C 842	17	1.3	828	10	W25842	W25842 13h5 Human	C 915	17	1.3	944	12	CNS00A5G	AL054949 Drosophil
C 843	17	1.3	828	12	B21268	B21268 F28H16-T7.1	C 916	17	1.3	944	12	CNS00A5G	AL054949 Drosophil
C 844	17	1.3	829	12	AQ749910	AQ749910 HS_5576_A	C 917	17	1.3	945	10	BE418297	BE418297 SCL024_C1
C 845	17	1.3	829	12	AZ195419	AZ195419 SP_1030_A	C 918	17	1.3	950	12	CNS0060Y	AL061645 Drosophil
C 846	17	1.3	830	10	W27718	W27718 39e1 Human	C 919	17	1.3	951	12	CNS005R9	AL350766 Tetraodon
C 847	17	1.3	832	10	BG310320	BG310320 HVSMEC001	C 920	17	1.3	951	12	AG136162	AG136162 Pan trogl
C 848	17	1.3	834	12	AZ196101	AZ196101 SP_1031_A	C 921	17	1.3	953	10	BG343315	BG343315 HVSMEQ000
C 849	17	1.3	834	12	AQ364358	AQ364358 nbxb0060J	C 922	17	1.3	953	12	AQ242208	AQ242208 11Q9-51f
C 850	17	1.3	834	12	AQ364358	AQ364358 nbxb0060J	C 923	17	1.3	954	10	W28191	W28191 43d1 Human
C 851	17	1.3	834	12	AQ364358	AQ364358 nbxb0060J	C 924	17	1.3	954	12	CNS03RWM	AL257431 Tetraodon
C 852	17	1.3	835	12	AQ73947	AQ73947 nbxb0083G	C 925	17	1.3	956	12	AQ330169	AQ330169 nbxb0046L
C 853	17	1.3	837	12	AQ740156	AQ740156 HS_5504_A	C 926	17	1.3	966	12	AG126154	AG126154 Pan trogl
C 854	17	1.3	839	9	BE039952	BE039952 OCL04809	C 927	17	1.3	966	12	AG157937	AG157937 Pan trogl
C 855	17	1.3	840	12	CNS05FTL	AL355442 Tetraodon	C 928	17	1.3	967	12	CNS016X1	AL107328 Drosophil
C 856	17	1.3	841	9	AI547290	AI547290 PN001_AH	C 929	17	1.3	971	12	CNS004SU	AL066299 Drosophil
C 857	17	1.3	841	10	BM476347	BM476347 AGENCOURT	C 930	17	1.3	972	10	BI947412	BI947412 HVSMEI000
C 858	17	1.3	841	12	CNS002WL	AL098223 Drosophil	C 931	17	1.3	974	10	BM464275	BM464275 AGENCOURT
C 859	17	1.3	843	12	AQ747040	AQ747040 HS_5538_A	C 932	17	1.3	974	10	BM472691	BM472691 AGENCOURT
C 860	17	1.3	846	12	B20764	B20764 T13G18-T7 T	C 933	17	1.3	975	10	BE418039	BE418039 SCL011.E0
C 861	17	1.3	847	3	BI644618	BI644618 OP2376 MI	C 934	17	1.3	975	12	CNS05L85	AL342446 Tetraodon
C 862	17	1.3	848	10	BG809697	BG809697 mgct001xf	C 935	17	1.3	978	9	BE036284	BE036284 MQ07G01 M
C 863	17	1.3	848	12	AZ184648	AZ184648 SP_1003_A	C 936	17	1.3	980	10	BM416248	BM416248 OP21336 M
C 864	17	1.3	850	12	AZ192052	AZ192052 SP_1020_B	C 937	17	1.3	980	12	CNS00B93	AL057457 Drosophil
C 865	17	1.3	854	12	AF010980	AF010980 AF010980	C 938	17	1.3	982	12	CNS05903	AL362644 Tetraodon
C 866	17	1.3	854	12	CNS0090S	AL052980 Drosophil	C 939	17	1.3	982	12	CNS06JLK	AL401742 T7 end of
C 867	17	1.3	858	12	BI9687	BI9687 F9P7-T7.1 I	C 940	17	1.3	983	12	AQ330267	AQ330267 nbxb0046H
C 868	17	1.3	858	12	CNS01NGT	AL152206 Anopheles	C 941	17	1.3	984	12	AG042670	AG042670 Pan trogl
C 869	17	1.3	861	12	B20015	B20015 F1A20-T7.1	C 942	17	1.3	990	9	BE035871	BE035871 MO11D04 M
C 870	17	1.3	863	12	CNS01XW4	AL172237 Tetraodon	C 943	17	1.3	990	10	BM416248	BM416248 OP21336 M
C 871	17	1.3	864	9	AW155256	AW155256 mgie0002P	C 944	17	1.3	990	12	CNS00CYZ	AL059714 Drosophil
C 872	17	1.3	865	9	AW728475	AW728475 GA_Ea001	C 945	17	1.3	995	12	CNS00731	AL066753 Drosophil
C 873	17	1.3	867	12	AZ185497	AZ185497 SP_1005_A	C 946	17	1.3	996	12	AG127527	AG127527 Pan trogl
C 874	17	1.3	868	10	BM450985	BM450985 AGENCOURT	C 947	17	1.3	997	10	BM472339	BM472339 AGENCOURT
C 875	17	1.3	869	12	CNS051EH	AL316754 Tetraodon	C 948	17	1.3	999	12	AQ242243	AQ242243 2D24-68r
C 876	17	1.3	871	12	AG042764	AG042764 Pan trogl	C 949	17	1.3	999	12	B08061	B08061 T31M5-Sp6.1
C 877	17	1.3	873	12	CNS024M5	AL203756 Tetraodon	C 950	17	1.3	1005	12	AG046555	AG046555 Pan trogl
C 878	17	1.3	874	12	AG076960	AG076960 Tetraodon	C 951	17	1.3	1008	12	AG072117	AG072117 Pan trogl
C 879	17	1.3	875	12	AF010915	AF010915 AF010915	C 952	17	1.3	1010	12	CNS010GD	AL098935 Drosophil
C 880	17	1.3	876	12	CNS00CTW	AL059834 Drosophil	C 953	17	1.3	1015	10	BM454640	BM454640 AGENCOURT
C 881	17	1.3	884	12	AG067241	AG067241 Pan trogl	C 954	17	1.3	1017	10	BF275071	BF275071 GA_Eb002
C 882	17	1.3	886	12	CNS02M7N	AL203756 Tetraodon	C 955	17	1.3	1019	12	CNS00COF	AL058571 Drosophil
C 883	17	1.3	887	10	BM467942	BM467942 AGENCOURT	C 956	17	1.3	1020	12	AG145050	AG145050 Pan trogl
C 884	17	1.3	887	12	AG046031	AG046031 Pan trogl	C 957	17	1.3	1023	10	BM451673	BM451673 AGENCOURT
C 885	17	1.3	891	9	AI438729	AI438729 SNOV3MCM	C 958	17	1.3	1024	10	BE421157	BE421157 HWM006.D0
C 886	17	1.3	892	12	AQ744266	AQ744266 HS_5508_A	C 959	17	1.3	1026	12	CNS06SU9	AL13719 T3 end of
C 887	17	1.3	896	9	AW155531	AW155531 mgie0032P	C 960	17	1.3	1031	9	AW155425	AW155425 mgie0016F
C 888	17	1.3	896	12	CNS05SL3	AL351984 Tetraodon	C 961	17	1.3	1031	12	AG110277	AG110277 Pan trogl
C 889	17	1.3	898	12	AQ749895	AQ749895 HS_5573_A	C 962	17	1.3	1031	12	AG030853	AG030853 Pan trogl
C 890	17	1.3	898	12	CNS02JEI	AL200115 Tetraodon	C 963	17	1.3	1035	12	AG088840	AG088840 Pan trogl
C 891	17	1.3	900	12	CNS016UT	AL107231 Drosophil	C 964	17	1.3	1036	12	AG104060	AG104060 Pan trogl
C 892	17	1.3	902	12	AQ744195	AQ744195 HS_5507_A	C 965	17	1.3	1036	12	BE036549	BE036549 MP01C03 M
C 893	17	1.3	905	12	AF011098	AF011098 AF011098	C 966	17	1.3	1039	9	BE036549	BE036549 MP01C03 M

[illegible]

```

COMMENT      BP 191 91006 EVERY cedex - FRANCE (E-mail : seqref@genoscope.cns.fr)
              Web : www.genoscope.cns.fr
              Determination of this BAC-end sequence was carried out as part of a
collaboration with the Berkeley Drosophila Genome Project (BDGP).
The BDGP is constructing a physical map of the Drosophila
melanogaster genome using these BACs. For further information
please see http://www.fruitfly.org The BDGP Drosophila
melanogaster BAC library was prepared by Kazutoyo Osagawa and
Aaron Mammoser in Pieter de Jong's laboratory in the Department of
Cancer Genetics at the Roswell Park Cancer Institute in Buffalo,
NY. The library is named RPCL-98 and was constructed by partial
EcoRI digestion of Drosophila DNA provided by the BDGP from the
isogenic strain y2; cn bw sp, the same strain used for the BDGP's
P1 and EST libraries. A more detailed description of the library
and how to order individual BAC clones, the entire library or
filters for hybridization from the BACPAC Resource Center can be
found at http://bacpac.med.buffalo.edu/drosophila_bac.htm.

FEATURES     Location/Qualifiers
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             /db_xref="taxon:7227"
             /clone_lib="RPCL-98"
             /clone="BACR20F12"
             /note="end : TEI3"

BASE COUNT   35 a          6 c          36 g          88 t         161 others

ORIGIN
Query Match    1.8%; Score 24; DB 12; Length 326;
Best Local Similarity 100.0%; Pident. No. 0.041;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1279 nnaaaaaaaaaaaaaaaannnnnnn 1302
|||||iiiiiiiii
Db 181 NNNNNNNNNNNNNNNNNNNNNNNN 158

RESULT 12
BM270207 337 bp mRNA linear EST 20-DEC-2001
LOCUS sak25f01.y1 Gm-cl075 glycine max cdna clone SOYBEAN CLONE ID:
DEFINITION Gm-cl075-4201 5' , mRNA sequence.
ACCESSION BM270207
VERSION BM270207.1 GI:17963458
KEYWORDS EST.
SOURCE soybean.
ORGANISM Glycine max
           Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
           Spermatophyta; Magnoliopsida; eudicotyledons; core eudicots;
           Rosidae; eurosids I; Fabales; Fabaceae; Papilionoideae; Phaseoleae;
           Glycine.
REFERENCE 1 (bases 1 to 337)
AUTHORS Shoemaker,R., Keim,P., Vocklin,L., Erpelding,J., Coryell,V., Khanaa
,A., Bolia,B., Marra,M., Hillier,L., Kucaba,T., Martin,J., Beck,C.,
Wylie,T., Underwood,K., Stepien,M., Theising,B., Allen,M., Bowers
,Y., Person,B., Swaller,T., Gibbons,M., Page,D., Harvey,N., Schurk
,R., Ritters,E., Kohn,S., Shin,T., Jackson,X., Cardenas,M., McCann
,R., Waterston,R. and Wilson,R.
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Unpublished (1999)
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This clone is available through Resgen, Invitrogen Corp. 2130
South Memorial Parkway Huntsville, Al 35801 For further information
call: (800)-533-4365 or contact: ccu@resgen.com web site:
www.resgen.com
Putative full length read is 338
vector to vector length is 338

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3448967 BIOSIS NO.: 200200077788

Consensus PCR and microarray for diagnosis of the genus

Staphylococcus, species, and methicillin resistance.

AUTHOR: Hamels S(a); Gala J-L; Dufour S; Vannuffel P; Zammattéo N; Remacle J

AUTHOR ADDRESS: (a)Laboratoire de Biochimie Cellulaire, Facultés Notre-Dame de la Paix, Rue de Bruxelles, 61, B-5000, Namur**Belgium E-Mail: sandrine.hamels@fundp.ac.be

JOURNAL: Biotechniques 31 (6):p1364-1372 December, 2001

MEDIUM: print

ISSN: 0736-6205

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: We propose the use of DNA microarray for the discrimination of homologous products after a single PCR amplification with consensus primers. The method was applied to **Staphylococcus** identification. The **femA** nucleotide-sequences, which are phylogenetically conserved among the **staphylococci**, were first amplified using a consensus primer pair together with the **mecA** sequence, a molecular marker for methicillin resistance. Products were then identified on a glass array. The microarray contained five selective DNA capture probes for the simultaneous and differential identification of the five most clinically relevant **staphylococcal** species (*S. aureus*, *S. epidermidis*, *S. haemolyticus*, *S. hominis*, and *S. saprophyticus*), while a consensus capture probe could detect all **femA** sequences, allowing the identification of the genus **Staphylococcus**. The **mecA** sequence hybridized to a specific capture probe. The identification was univocal because only a single capture probe had to be present for each sequence to be identified. The hybridization and identification processes were completed in less than 2 h. Current results demonstrate that low-density microarrays are powerful multigenotypic post-PCR analyzers and could compete with conventional bacteria identification.

5/7/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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12273661 BIOSIS NO.: 200000027163

Antibiotic resistance as a stress response: Complete sequencing of a large number of chromosomal loci in **Staphylococcus aureus** strain COL that impact on the expression of resistance to methicillin.

AUTHOR: de Lencastre H; Wu S W; Pinho M G; Ludovice A M; Filipe S; Gardete S; Sobral R; Gill S; Chung M; Tomasz A(a)

AUTHOR ADDRESS: (a)Rockefeller University, 1230 York Avenue, New York, NY, 10021**USA

JOURNAL: Microbial Drug Resistance 5 (3):p163-175 Fall, 1999

ISSN: 1076-6294

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ABSTRACT: Tn551 inactivation has identified several determinants-fem or auxiliary genes-that, in addition to the **mecA** gene, are also critical for the expression of high-level and homogeneous resistance to methicillin. Genetic and/or biochemical analysis has shown that of the nearly dozen aux mutations described so far most are in genes involved in cell wall synthesis (**murE**, **pbp2**, **glmM**, **glnR**, **femA/B**, **llm**, etc.) or in complex regulatory functions (**sigmaB**), suggesting that optimal expression of resistance may involve the cooperative functioning of a number of genes in cell wall metabolism as well as stress response. The exact mechanism

of these functions is not known. In an attempt to explore this unusual aspect of methicillin resistance more fully, a Tn551 transposon library, constructed in the background of the highly and homogeneously methicillin-resistant **Staphylococcus aureus** strain COL, was screened for all independent insertional mutants in which the level of methicillin resistance of the parental strain (MIC, 1,600 mug/ml) was reduced by at least 15-fold and up to 500-fold. We now describe the sequencing of 21 Tn551-inactivated genes and their vicinities in 23 new auxiliary mutants that have been studied before. Using the inverted polymerase chain reaction (IPCR), we amplified fragments corresponding to the right and left junction of the Tn551 insertions, which were then sequenced by **primer** walking. The two largest groups of these new auxiliary genes encoded either proteins of unknown functions (6 genes) or showed homology with genes encoding proteins involved with putative sensory/regulatory activities (7 genes: protein kinases, ABC transporters, and a catabolite control protein). Sequencing upstream and downstream allowed the identification of a number of additional open reading frames, some of which may also include functions relevant for the expression of antibiotic resistance.

5/7/3 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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10975313 BIOSIS NO.: 199799596458
Investigation of a methicillin-resistant **Staphylococcus aureus** (MRSA) outbreak in an Irish hospital: Triplex PCR and DNA amplification fingerprinting.
AUTHOR: Cotter L; Lynch M; Cryan B; Greer P; Fanning S(a)
AUTHOR ADDRESS: (a)Medical Sci. Sect., Regional Technical Coll., Bishopstown, Cork**Ireland
JOURNAL: Journal of Hospital Infection 36 (1):p37-47 1997
ISSN: 0195-6701
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Methicillin-resistant **Staphylococcus aureus** (MRSA) is becoming a problematic nosocomial pathogen. A continuing increase in numbers of isolates is reported from Irish hospitals each year. Preventing cross-infection and the further spread of endemic strains requires effective control measures. This necessitates the development of sensitive methods for both detection and genetic identification of MRSA isolates. In this study, 48 MRSA strains isolated in the Cork University Hospital were analysed between January and July 1995 using a one-tube triplex-polymerase chain reaction (PCR), wherein three genes, the methicillin-resistance gene (*mecA*), *femA* and the extracellular thermonuclease gene, *nuc*, were simultaneously amplified. Methicillin-sensitive *S. aureus* (MSSA) and coagulase-negative **staphylococci** (CNS) were also tested and the assay was found to be MRSA specific. The genetic relationship among this collection of MRSA isolates was also investigated. A single **primer**, RW3A, derived from a well-characterized, repetitive sequence found in *Mycoplasma pneumoniae* produced discriminating DNA fragment arrays with all the study organisms. The patterns were reproducible, even after several passages of the isolates. Quantitative analysis of the patterns divided the collection into two main groups, DAF group I representing 48% of the collection and DAF group II a further 19%. The remaining strains showed unrelated patterns. To fully outline the distribution of MRSA in this area a larger study will be necessary. This paper outlines the applicability of both the identification and fingerprinting techniques to local strains.

5/7/4 (Item 4 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)
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10713234 BIOSIS NO.: 199799334379

Cloning and characterization of **femA** and femB from
Staphylococcus epidermidis.

AUTHOR: Alborn William E Jr; Hoskins Joann; Unal Serhat; Flokowitsch Jane E
; Hayes Carolyn A; Dotzlaf Joe E; Yeh W K; Skatrud Paul L(a)

AUTHOR ADDRESS: (a)Infectious Diseases Res., Eli Lilly and Co., Lilly Corp.
Cent., Indianapolis, IN 46285**USA

JOURNAL: Gene (Amsterdam) 180 (1-2):p177-181 1996

ISSN: 0378-1119

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: A DNA fragment was identified and cloned from
Staphylococcus epidermidis (Se) using **femA** from *S. aureus*
(Sa) as a heterologous hybridization **probe**. DNA sequence analysis
of a portion of this clone revealed two complete ORFs highly related to
femA and femB of Sa. The genomic arrangement of the Se **femA/B**
complex was nearly identical to that observed in Sa. Intra- and
interspecies relatedness of these genes and conservation of genomic
organization were consistent with gene duplication of one of these genes
in an ancestral organism. Recombinant **FEMA**, produced in *Escherichia*
coli (Ec), was purified to near homogeneity. Identity of the purified
protein was verified by N-terminal amino acid (aa) sequence analysis.

5/7/5 (Item 5 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)
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08761984 BIOSIS NO.: 199395051335

Survey of the methicillin resistance-associated genes *mecA*, *mecR1-mecI*, and
femA-femB in clinical isolates of methicillin-resistant
Staphylococcus aureus.

AUTHOR: Hurlimann-Dalel Rocio L; Ryffel Cristina; Kayser Fritz H;
Berger-Bachi Brigitte(a)

AUTHOR ADDRESS: (a)Inst. Med. Microbiol., Univ. Zurich, Zurich**Switzerland

JOURNAL: Antimicrobial Agents and Chemotherapy 36 (12):p2617-2621 1992

ISSN: 0066-4804

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: The restriction site polymorphism of the chromosomal *femAB* region
and the first appearance of the regulatory element *mecR1-mecI* associated
with the methicillin resistance determinant (*mec*) were analyzed in 192
initially methicillin resistant (Mc-r) **Staphylococcus aureus**
clinical isolates collected between 1965 and 1990 in the Zurich area.
Forty-three of the strains lost the resistance spontaneously. All
isolates that were still Mc-r hybridized with *mecA*, the gene for the
low-affinity penicillin-binding protein PBP 2'. Mc-r strains isolated
before 1977 lacked sequences that hybridized when *mecR1-mecI*, a
regulatory element controlling the expression of *mecA*; exceptions to this
were one strain isolated in 1966 and one strain isolated in 1972. The
size of the *EcoRV* fragment carrying **femA**, a chromosomally encoded
factor involved in pentaglycine side chain formation of the peptidoglycan
and essential for the expression of methicillin resistance, was conserved
in all strains but one, which was susceptible to methicillin even though
it carried a functional *mecA* gene. The methicillin susceptibility of this
particular strain was presumably due to a spontaneous **femA**-like
mutation. The 192 strains belonged to seven different *EcoRV* restriction

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fragment patterns recognizable with a 10.5-kb **probe** covering the *femAB* region. Some 93% of the 149 Mc-r strains belonged to pattern A, and the remaining Mc-r strains shared patterns A' and B. The 42 isolates which spontaneously lost their resistance upon storage and revival represented all seven different patterns. This strong conservation of **femA** suggests an important role for **femA** in cell wall metabolism and methicillin resistance.

5/7/6 (Item 1 from file: 76)
DIALOG(R)File 76:Life Sciences Collection
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01648051 2864575

Survey of the methicillin resistance-associated genes *mecA*, *mecR1-mecI*, and **femA-femB** in clinical isolates of methicillin-resistant

Staphylococcus aureus.

Huerlimann Dalel, R.L.; Ryffel, C.; Kayser, F.H.; Berger Baechi, B.
Inst. Med. Microbiol., Univ. Zuerich, Zuerich, Switzerland
ANTIMICROB. AGENTS CHEMOTHER. vol. 36, no. 12, pp. 2617-2621 (1992.)
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH
SUBFILE: Microbiology Abstracts Section B: Bacteriology; Genetics Abstracts

The restriction site polymorphism of the chromosomal *femAB* region and the first appearance of the regulatory element *mecR1-mecI* associated with the methicillin resistance determinant (*mec*) were analyzed in 192 initially methicillin resistant (Mc super(r)) **Staphylococcus aureus** clinical isolates collected between 1965 and 1990 in the Zurich area. Forty-three of the strains lost the resistance spontaneously. All isolates that were still Mc super(r) hybridized with *mecA*, the gene for the low-affinity penicillin-binding protein PBP 2'. Mc super(r) strains isolated before 1977 lacked sequences that hybridized with *mecR1-mecI*, a regulatory element controlling the expression of *mecA* exceptions to this were one strain isolated in 1966 and one strain isolated in 1972. The size of the EcoRV fragment carrying **femA**, a chromosomally encoded factor involved in pentaglycine side chain formation of the peptidoglycan and essential for the expression of methicillin resistance, was conserved in all strains but one, which was susceptible to methicillin even though it carried a functional *mecA* gene. The methicillin susceptibility of this particular strain was presumably due to a spontaneous **femA**-like mutation. The 192 strains belonged to seven different EcoRV restriction fragment patterns recognizable with a 10.5-kb **probe** covering the *femAB* region. Some 93% of the 149 Mc super(r) strains belonged to pattern A, and the remaining Mc super(r) strains shared patterns A' and B. The 42 isolates which spontaneously lost their resistance upon storage and revival represented all seven different patterns. This strong conservation of **femA** suggests an important role for **femA** in cell wall metabolism and methicillin resistance.

5/7/7 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus
(c)2002 Japan Science and Tech Corp(JST).. All rts. reserv.

02362504 JICST ACCESSION NUMBER: 95A0390458 FILE SEGMENT: JICST-E
Molecular Epidemiology of **Staphylococcus** spp. Contamination in the

Ward Environment: Study on *mecA* and **femA** Genes in
Methicillin-Resistant Strains.

ASHIMOTO A (1); HAMADA T (1); ADACHI A (1); TANIGAWA T (1); TANAKA Y (1)
(1) Tottori Univ.

Kansenshogaku Zasshi(Journal of the Japanese Association for Infectious
Diseases), 1995, VOL.69,NO.1, PAGE.15-20, FIG.2, TBL.2, REF.13

JOURNAL NUMBER: Z0760AAY ISSN NO: 0387-5911

UNIVERSAL DECIMAL CLASSIFICATION: 613/614 579.22:616-022.1 616.9

LANGUAGE: English COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

ABSTRACT: **Staphylococcus** spp. were isolated from the ward environment and antibiotic susceptibility tests were performed. Twenty-nine strains out of 274 isolates were *S. aureus*, and 41.4% of the *S. aureus* strains were methicillin resistant (MRSA). All 12 strains of MRSA were also resistant to oxacillin, ceftizoxime, ampicillin and clindamycin. Among the coagulase-negative staphylococci (CNS), methicillin-resistant (MR) strains of *S. epidermidis*, *S. capitis*, *S. warneri*, *S. haemolyticus*, *S. hominis*, *S. auricularis*, *S. saprophyticus* and *S. cohnii* were isolated. Eight of the 10 *S. haemolyticus* strains were methicillin resistant. The **femA** gene was detected in *S. aureus* (MSSA and MRSA), but not in CNS by polymerase chain reaction (PCR) analysis and Southern blot analysis. The **mecA** gene was found in all the MRSA and MR-*S. epidermidis* strains tested, and one of the two MR-*S. hominis* strains, but not in MSSA, MS-*S. epidermidis*, MS-*S. hominis*, or MS-*S. haemolyticus*. DNA from one strain of MR-*S. hominis* and 2 strains of MR-*S. haemolyticus* was not amplified by PCR using the **mecA** gene primer, or hybridized by Southern blotting. The ambiguity that **mecA** was detected in some MR-CNS strains, but not in others is discussed. (author abst.)

5/7/8 (Item 2 from file: 94)
DIALOG(R) File 94:JICST-Eplus
(c)2002 Japan Science and Tech Corp (JST). All rts. reserv.

02245000 JICST ACCESSION NUMBER: 94A0958267 FILE SEGMENT: JICST-E
Detection of Methicillin-Resistant **Staphylococcus aureus** Using PCR

and Non-Radioactive DNA Probes: III. Mutations of the **fem A** Gene in Clinical Strains of **Staphylococcus aureus**.

YAMASHITA KEIKO (1); OTSUKA NORIMITSU (1); KAGAWA SHOHEI (1); MATSUOKA AKIRA (1); TAKARADA YUTAKA (2); LI L (3)

(1) Hyogo Coll. of Med., Hosp.; (2) Toyobo Co., Ltd., Toyobo Res. Inst.; (3) Chugokuidaidaiichibyoin

Rinsho Byori (Japanese Journal of Clinical Pathology), 1994, VOL.42, NO.10, PAGE.1069-1076, FIG.2, TBL.3, REF.13

JOURNAL NUMBER: Z0687AAS ISSN NO: 0047-1860 CODEN: RBYOA

UNIVERSAL DECIMAL CLASSIFICATION: 579.22:577 575.2

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: Methicillin resistance in *S. aureus* is primarily due to the presence of the **mec A** gene. However, in addition to **mec**, the phenotypic expression of methicillin resistance requires the presence of an additional gene (s), **fem A** which is chromosomally encoded. Previous studies suggest an increase in the biochemical function of **fem A** gene products due to base substitutions in the region upstream of the **fem A** gene and in its coding frame. The partial nucleotide sequences of **fem A** regions in reference and clinical strains of *S. aureus* were therefore analyzed by PCR-direct solid-phase sequencing and suitable DNA probes. Amplified target DNAs of 251, 330 and 271 bp were resolved on ethidium bromide stained gels and hybridized with DNA probes conjugated to alkaline phosphatase. In ATCC 12600 strain, a palindromic sequence was conserved in the region upstream of **fem A**. However, it was destroyed by the occurrence of mutations in other reference, and clinical strains tested regardless of whether they are methicillin-susceptible or resistant. Furthermore, in the coding frame of **fem A**, two missense mutations were present in MSSA and MRSA without any regularity. These findings suggest that mutations in the **fem A** region may not be a single factor essential for regulation of methicillin resistance, although **fem A** probably

functions cooperatively with mec A. (author abst.)

5/7/9 (Item 3 from file: 94)
DIALOG(R)File 94:JICST-EPlus
(c)2002 Japan Science and Tech Corp(JST). All rts. reserv.

01944598 JICST ACCESSION NUMBER: 93A0996304 FILE SEGMENT: JICST-E
MRSA. Detection of mecA and Its Regulatory Genes.
KAGAWA SHOHEI (1); YAMASHITA KEIKO (1); MATSUOKA AKIRA (1)
(1) Hyogo College of Medicine, Hospital
Rinsho Byori(Japanese Journal of Clinical Pathology), 1993, VOL.41,NO.11,
PAGE.1223-1231, FIG.3, TBL.3, REF.12
JOURNAL NUMBER: Z0687AAS ISSN NO: 0047-1860 CODEN: RBYOA
UNIVERSAL DECIMAL CLASSIFICATION: 616.9-07 579.222
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

ABSTRACT: Methicillin resistance in *S. aureus* and *S. epidermidis* strains is primarily due to production of a new penicillin-binding protein PBP2' with extremely low binding affinity to most .BETA.-lactam antibiotics. The structural gene for PBP2', *mecA*, is detectable in clinical specimens by using the polymerase chain reaction(PCR). Amplified target DNA of 630bp can be resolved on ethidium bromide-stained gels, and hybridized with a **probe** conjugated to alkaline phosphatase. Survey for the *mecA* gene in 304 **staphylococci** revealed a good correlation between the presence of *mecA* and cultivation on agar plates with 4.MU.g/ml of oxacillin, although 3% of sensitive *S. aureus* strains had the *mecA* gene. On the other hand, analysis of the regulatory genes (orf 1 and 2) of methicillin resistance was performed on methicillin-resistant *S. aureus* strains N315 and MR108, demonstrating that the genome of MR108 lacks orf 2 which encodes the repressor protein (Hiramatsu et al., see Ref. 5). The regulatory genes of *mecA* were surveyed for 192 **staphylococci** by using PCR and allele-specific oligonucleotide probes: 76% of resistant *S. aureus* strains and 48% of resistant *S. epidermidis* strains possessed orf 1 corresponding to MR108 (constitutive-type strain), while the remainder of the resistant strains and two strains of sensitive *S. epidermidis* had two orfs of N315 (inducible-type strain). Furthermore, it appeared that mutation of the **femA** gene might not be an additional factor for expression of methicillin resistance. These observations suggest that *mecA* and its regulatory genes should be examined to understand how the genetic background contributed to the phenotypic expression of methicillin resistance in clinical strains. (author abst.)

5/7/10 (Item 4 from file: 94)
DIALOG(R)File 94:JICST-EPlus
(c)2002 Japan Science and Tech Corp(JST). All rts. reserv.

01910992 JICST ACCESSION NUMBER: 93A0899421 FILE SEGMENT: JICST-E
Detection of Methicillin-resistant **Staphylococcus aureus** Using PCR and Non-radioactive DNA Probes. (II).
MURAKI CHIKA (1); TAISHI KAORU (1); YAMASHITA KEIKO (1); OTSUKA NORIMITSU (1); KAGAWA SHOHEI (1); MATSUOKA AKIRA (1)
(1) Hyogo College of Medicine, Hospital
Rinsho Byori(Japanese Journal of Clinical Pathology), 1993, VOL.41,NO.10,
PAGE.1159-1166, FIG.3, TBL.3, REF.8
JOURNAL NUMBER: Z0687AAS ISSN NO: 0047-1860 CODEN: RBYOA
UNIVERSAL DECIMAL CLASSIFICATION: 616-078
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: Methicillin resistance in **staphylococci** is primarily due to the presence of a *mec A* gene which encodes the novel penicillin-binding protein 2'. Some chromosomal factors, **fem A** and *fem B*, also participate in the expression of methicillin resistance in *S. aureus*. This study was designed to detect *mec A*, **fem A** and *fem B* genes for identification of **staphylococcal** species and for discrimination of methicillin-resistant cells. Three different pairs of DNA primers (PBP2' AF-PBP2' AR, *fem* AF-*fem* AR and *fem* BF-*fem* BR) complementary to unique regions of *mec A*, **fem A** and *fem B* genes were synthesized for use in polymerase chain reaction with DNAs of methicillin-sensitive *S. aureus*(MSSA), *S. epidermidis*, methicillin-resistant *S. aureus*(MRSA) and *S. epidermidis*. Amplified target DNAs of 630, 509, and 651 bp were resolved on ethidium bromide-stained gel, and hybridized to DNA probes conjugated to alkaline phosphatase. When applied to pure cultures on the MRSA screen agar, all three DNA probes tested detected MRSA in 47 of 61 culture-positive specimens (77.1%); the detection ratio of MRSA with *mec A* and either **fem A** or *fem B* probes was increased to 95.9%. By contrast, the **fem A** and *fem B* probes did not detect *S. epidermidis*. The result of detecting these species streaked on mannitol-salt agar were similar, while the detection of MSSA with the **fem A** and *fem B* probes was incomplete irrespective of the presence or absence of *mec A*. These findings suggest a good correlation between cultivation and DNA **probe** assay with respect to MRSA detection. (author abst.)

5/7/11 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

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130279197 CA: 130(21)279197r PATENT

Typing of strains of *Staphylococcus* using variation in the *femA* gene

INVENTOR(AUTHOR): Vannuffel, Pascal; Gala, Jean-Luc

LOCATION: Belg.

ASSIGNEE: Universite Catholique de Louvain; Ministere de la Defense Nationale

PATENT: PCT International ; WO 9916780 A2 DATE: 19990408

APPLICATION: WO 98BE141 (19980928)

PAGES: 48 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C07H-021/00A

DESIGNATED COUNTRIES: CA; JP; US DESIGNATED REGIONAL: AT; BE; CH; CY; DE ; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

SECTION:

CA210001 MICROBIAL, ALGAL, AND FUNGAL BIOCHEMISTRY

CA203XXX Biochemical Genetics

CA209XXX Biochemical Methods

CA214XXX Mammalian Pathological Biochemistry

IDENTIFIERS: *Staphylococcus* typing *femA* gene consensus variation

DESCRIPTORS:

Polymorphism(genetic)...

at *femA* gene, in typing of *Staphylococcus*; typing of strains of

Staphylococcus using variation in *femA* gene

Staphylococcus capitis... *Staphylococcus cohnii*... *Staphylococcus*

gallinarum... *Staphylococcus hemolyticus*... *Staphylococcus hominis*...

Staphylococcus lugdunensis... *Staphylococcus saprophyticus*...

Staphylococcus schleiferi... *Staphylococcus sciuri*... *Staphylococcus*

simulans... *Staphylococcus warneri*... *Staphylococcus xylosum*...

femA gene of; typing of strains of *Staphylococcus* using variation in *femA* gene

Genes(microbial)...

femA; typing of strains of *Staphylococcus* using variation in *femA* gene

Primers(nucleic acid)... Probes(nucleic acid)...

for *femA* gene, in typing of *Staphylococcus*; typing of strains of

Staphylococcus using variation in femA gene
Nucleic acid hybridization...
for typing of Staphylococcus; typing of strains of Staphylococcus using
variation in femA gene
Genes(microbial)...
mecA, in typing of Staphylococcus; typing of strains of Staphylococcus
using variation in femA gene
PCR(polymerase chain reaction)...
multiplex, of femA and mecA genes, in typing of Staphylococcus; typing
of strains of Staphylococcus using variation in femA gene
Protein sequences...
of femA gene products of Staphylococcus spp.; typing of strains of
Staphylococcus using variation in femA gene
DNA sequences...
of femA genes of Staphylococcus spp.; typing of strains of
Staphylococcus using variation in femA gene
Molecular diagnosis...
of Staphylococcus infection; typing of strains of Staphylococcus using
variation in femA gene
Staphylococcus...
typing of strains of Staphylococcus using variation in femA gene
CAS REGISTRY NUMBERS:
222617-88-1 222617-89-2 222617-91-6 222617-94-9 222617-97-2
222617-99-4 222716-95-2 222716-99-6 amino acid sequence; typing of
strains of Staphylococcus using variation in femA gene
222617-90-5 222617-93-8 222617-95-0 222617-98-3 222618-00-0
222716-93-0 222716-94-1 222716-98-5 nucleotide sequence; typing of
strains of Staphylococcus using variation in femA gene
222617-77-8 222617-78-9 222617-79-0 222617-81-4 222617-82-5
222617-83-6 222617-84-7 222617-86-9 222617-87-0 222618-01-1
222618-02-2 222618-03-3 222618-04-4 222618-05-5 222618-06-6
222618-07-7 222618-08-8 222618-09-9 222618-10-2 222618-11-3
222618-12-4 222618-13-5 222618-14-6 primer for amplification of femA
gene in typing of Staphylococcus; typing of strains of Staphylococcus
using variation in femA gene

5/7/12 (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
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129255617 CA: 129(20)255617f JOURNAL
Rapid and specific molecular identification of methicillin-resistant
Staphylococcus aureus in endotracheal aspirates from mechanically
ventilated patients
AUTHOR(S): Vannuffel, Pascal; Laterre, Pierre-Francois; Bouyer, Michele;
Gigi, Jacques; Vandercam, Bernard; Reynaert, Marc; Gala, Jean-Luc
LOCATION: Laboratory of Applied Molecular Technology, St. Luc University
Hospital, B-1200, Brussels, Belg.
JOURNAL: J. Clin. Microbiol. DATE: 1998 VOLUME: 36 NUMBER: 8 PAGES:
2366-2368 CODEN: JCMIDW ISSN: 0095-1137 LANGUAGE: English PUBLISHER:
American Society for Microbiology
SECTION:
CA203001 Biochemical Genetics
CA210XXX MICROBIAL, ALGAL, AND FUNGAL BIOCHEMISTRY
CA214XXX Mammalian Pathological Biochemistry
IDENTIFIERS: methicillin resistance Staphylococcus diagnosis PCR primers
DESCRIPTORS:
Genes(microbial)...
femA; rapid and specific mol. identification of methicillin-resistant
Staphylococcus aureus in endotracheal aspirates from mech. ventilated
patients
Genes(microbial)...
mecA; rapid and specific mol. identification of methicillin-resistant

Staphylococcus aureus in endotracheal aspirates from mech. ventilated patients
Staphylococcus aureus...
methicillin-resistant; rapid and specific mol. identification of
methicillin-resistant Staphylococcus aureus in endotracheal aspirates
from mech. ventilated patients
Molecular diagnosis... PCR(polymerase chain reaction)...
rapid and specific mol. identification of methicillin-resistant
Staphylococcus aureus in endotracheal aspirates from mech. ventilated
patients
Antibiotic resistance...
to methicillin; rapid and specific mol. identification of
methicillin-resistant Staphylococcus aureus in endotracheal aspirates
from mech. ventilated patients
CAS REGISTRY NUMBERS:
171174-37-1 171174-38-2 PCR primer, for femA; rapid and specific mol.
identification of methicillin-resistant Staphylococcus aureus in
endotracheal aspirates from mech. ventilated patients
171174-35-9 171174-36-0 PCR primer, for mecA; rapid and specific mol.
identification of methicillin-resistant Staphylococcus aureus in
endotracheal aspirates from mech. ventilated patients

5/7/13 (Item 3 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
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124001787 CA: 124(1)1787c JOURNAL
Specific detection of methicillin-resistant Staphylococcus species by
multiplex PCR
AUTHOR(S): Vannuffel, Pascal; Gigi, Jacques; Ezzedine, Houda; Vandercam,
Bernard; Delmee, Michel; Wauters, Georges; Gala, Jean-Luc
LOCATION: St. Luc University Hospital, B-1200, Brussels, Belg.
JOURNAL: J. Clin. Microbiol. DATE: 1995 VOLUME: 33 NUMBER: 11 PAGES:
2864-7 CODEN: JCMIDW ISSN: 0095-1137 LANGUAGE: English
SECTION:
CA203001 Biochemical Genetics
CA210XXX MICROBIAL, ALGAL, AND FUNGAL BIOCHEMISTRY
IDENTIFIERS: methicillin resistance PCR Staphylococcus
DESCRIPTORS:
Polymerase chain reaction...
multiplex; specific detection of methicillin-resistant Staphylococcus
species by multiplex PCR
Gene,microbial, femA... Gene,microbial, mecA... Staphylococcus...
specific detection of methicillin-resistant Staphylococcus species by
multiplex PCR
CAS REGISTRY NUMBERS:
171174-35-9 171174-36-0 171174-37-1 171174-38-2 171174-39-3
171174-40-6 171174-41-7 primer; specific detection of
methicillin-resistant Staphylococcus species by multiplex PCR
61-32-5 resistance; specific detection of methicillin-resistant
Staphylococcus species by multiplex PCR

5/7/14 (Item 4 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
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119196746 CA: 119(19)196746r JOURNAL
Detection of methicillin-resistant Staphylococcus aureus by in vitro
enzymatic amplification of mecA and femA genes
AUTHOR(S): Oshima, Toshio; Miyachi, Hayato; Fusegawa, Hisae; Masukawa,
Atsuko; Ikeda, Masakatsu; Ando, Yasuhiko
LOCATION: Hosp., Tokai Univ., Isehara, Japan, 259-11

JOURNAL: Rinsho Byori DATE: 1993 VOLUME: 41 NUMBER: 7 PAGES: 773-8
CODEN: RBYOAI ISSN: 0047-1860 LANGUAGE: Japanese

SECTION:

CA203001 Biochemical Genetics

CA210XXX Microbial Biochemistry

IDENTIFIERS: methicillin resistance Staphylococcus detection gene PCR,
mecA femA gene Staphylococcus detection PCR

DESCRIPTORS:

Polymerase chain reaction...

for methicillin-resistant Staphylococcus aureus detection, mecA and
femA genes amplification in

Staphylococcus aureus...

methicillin-resistant, PCR detection of, mecA and femA genes
amplification in

Gene,microbial, femA... Gene,microbial, mecA...

PCR amplification of, for detection of methicillin-resistant
Staphylococcus aureus

CAS REGISTRY NUMBERS:

150742-28-2 150742-29-3 150742-31-7 150742-32-8 PCR primer, for
methicillin-resistant Staphylococcus aureus detection

150742-30-6 150742-33-9 PCR probe, for methicillin-resistant
Staphylococcus aureus detection

61-32-5 Staphylococcus aureus resistance to, detection of, mecA and femA
genes amplification by PCR in

5/7/15 (Item 5 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

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118033633 CA: 118(5)33633s JOURNAL

Detection of methicillin-resistant staphylococci by using the polymerase
chain reaction

AUTHOR(S): Unal, Serhat; Hoskins, Joann; Flokowitsch, Jane E.; Wu, C. Y.
Ernie; Preston, David A.; Skatrud, Paul L.

LOCATION: Eli Lilly and Co., Indianapolis, IN, 46285, USA

JOURNAL: J. Clin. Microbiol. DATE: 1992 VOLUME: 30 NUMBER: 7 PAGES:
1685-91 CODEN: JCMIDW ISSN: 0095-1137 LANGUAGE: English

SECTION:

CA203001 Biochemical Genetics

CA210XXX Microbial Biochemistry

IDENTIFIERS: Staphylococcus methicillin resistance gene detection PCR

DESCRIPTORS:

Polymerase chain reaction...

for detection of methicillin resistance genes, in Staphylococcus

Gene,microbial, femA... Gene,microbial, mecA...

for methicillin resistance, polymerase chain reaction detection of, in
Staphylococcus

Proteins,specific or class, PBP 2A (penicillin-binding protein 2A)...

methicillin resistance gene mecA for, polymerase chain reaction
detection of, in Staphylococcus

Staphylococcus aureus... Staphylococcus epidermidis... Staphylococcus

hemolyticus... Staphylococcus simulans...

methicillin resistance genes of, polymerase chain reaction for
detection of

Antibiotic resistance...

to methicillin, genes for, polymerase chain reaction detection of, in
Staphylococcus

CAS REGISTRY NUMBERS:

143349-63-7 143349-74-0 143349-81-9 143369-87-3 143374-79-2

145187-83-3 as DNA primer, in polymerase chain reaction detection of
methicillin resistance gene in Staphylococcus

9001-13-2 of Staphylococcus, PCR detection of methicillin resistance gene
in relation to

61-32-5 resistance to, genes for, polymerase chain reaction detection of,
in Staphylococcus
?

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 21 through 26 of 26 returned.**☐ 21. Document ID: WO 9916780 A2

L4: Entry 21 of 26

File: EPAB

Apr 8, 1999

PUB-NO: WO009916780A2

DOCUMENT-IDENTIFIER: WO 9916780 A2

TITLE: GENETIC SEQUENCES, DIAGNOSTIC AND/OR QUANTIFICATION METHODS AND DEVICES FOR THE IDENTIFICATION OF STAPHYLOCOCCI STRAINS

PUBN-DATE: April 8, 1999

INVENTOR-INFORMATION:

NAME

COUNTRY

VANNUFFEL, PASCAL

BE

GALA, JEAN-LUC

BE

INT-CL (IPC): C07 H 21/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw	Desc	Image									

☐ 22. Document ID: US 5587307 A

L4: Entry 22 of 26

File: EPAB

Dec 24, 1996

PUB-NO: US005587307A

DOCUMENT-IDENTIFIER: US 5587307 A

TITLE: FemA gene of staphylococcus epidermidis, femA protein, and vectors and microorganisms comprising the femA gene

PUBN-DATE: December 24, 1996

INVENTOR-INFORMATION:

NAME

COUNTRY

ALBORN, JR WILLIAM E

US

HOSKINS, JOANN

US

SKATRUD, PAUL L

US

UENAL, SERHAT

TR

INT-CL (IPC): C12 N 15/31; C12 N 15/70; C07 K 14/31

EUR-CL (EPC): C07K014/31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw	Desc	Image									

☐ 23. Document ID: EP 625575 A2

L4: Entry 23 of 26

File: EPAB

Nov 23, 1994

PUB-NO: EP000625575A2

DOCUMENT-IDENTIFIER: EP 625575 A2

TITLE: Fem A gene of staphylococcus epidermidis, fem A protein, and vectors of microorganisms comprising the fem A gene.

PUBN-DATE: November 23, 1994

INVENTOR-INFORMATION:

NAME	COUNTRY
ALBORN, WILLIAM ERNEST JR	US
HOSKINS, JO ANN	US
SKATRUD, PAUL LUTHER	US
UENAL, SERHAT	TR

INT-CL (IPC): C12N 15/31; C12P 21/02; C07K 13/00

EUR-CL (EPC): C07K014/31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 24. Document ID: AU 200111210 A, EP 1096024 A1, WO 200131055 A2

L4: Entry 24 of 26

File: DWPI

May 8, 2001

DERWENT-ACC-NO: 2001-309857

DERWENT-WEEK: 200149

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TITLE: Detecting, quantifying multiple target nucleotide sequences in biological sample for detecting microorganisms or genetic characteristics, by amplifying target sequence and hybridizing on single stranded capture probes

INVENTOR: ALEXANDRE, I; DE LONGUEVILLE, F ; HAMELS, S ; REMACLE, J ; ZAMMATTEO, N

PRIORITY-DATA: 1999EP-0870226 (October 28, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 200111210 A	May 8, 2001		000	C12Q001/68
EP 1096024 A1	May 2, 2001	E	027	C12Q001/68
WO 200131055 A2	May 3, 2001	E	000	C12Q001/68

INT-CL (IPC): C12 Q 1/68

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 25. Document ID: JP 2001518283 W, WO 9916780 A2, EP 1017850 A2

L4: Entry 25 of 26

File: DWPI

Oct 16, 2001

DERWENT-ACC-NO: 1999-287521

DERWENT-WEEK: 200176

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TITLE: New Staphylococcus-specific oligonucleotides

INVENTOR: GALA, J; VANNUFFEL, P

PRIORITY-DATA: 1997EP-0870146 (September 26, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2001518283 W	October 16, 2001		057	C12Q001/68
WO 9916780 A2	April 8, 1999	E	047	C07H021/00
EP 1017850 A2	July 12, 2000	E	000	C12Q001/68

INT-CL (IPC): C07 H 21/00; C12 N 15/09; C12 N 15/31; C12 Q 1/68

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 26. Document ID: US 5587307 A, EP 625575 A2, AU 9461802 A, CA 2122202 A, JP 06319561 A, EP 625575 A3, HU 70300 T

L4: Entry 26 of 26

File: DWPI

Dec 24, 1996

DERWENT-ACC-NO: 1994-359748

DERWENT-WEEK: 199706

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TITLE: Isolated femA gene of Staphylococcus epidermidis - used to develop agents for inhibiting FemA protein for use in treating methicillin-resista nt bacteria

INVENTOR: ALBORN, W E; HOSKINS, J A ; SKATRUD, P L ; UNAL, S ; UENAL, S ; HOSKINS, J

PRIORITY-DATA: 1993US-0057163 (April 30, 1993), 1994US-0208925 (March 9, 1994), 1994US-0330154 (October 27, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5587307 A	December 24, 1996		014	C12N015/31
EP 625575 A2	November 23, 1994	E	023	C12N015/31
AU 9461802 A	November 3, 1994		000	C12N015/31
CA 2122202 A	October 31, 1994		000	C12N015/31
JP 06319561 A	November 22, 1994		023	C12N015/31
EP 625575 A3	February 22, 1995		000	C12N015/31
HU 70300 T	September 28, 1995		000	C12N009/00

INT-CL (IPC): C07K 13/00; C07K 14/31; C12N 1/21; C12N 9/00; C12N 15/31; C12N 15/32; C12N 15/52; C12N 15/66; C12N 15/70; C12N 15/74; C12P 21/02; C12N 15/31; C12R 1/44; C12N 1/21; C12R 1/19; C12P 21/02; C12R 1/19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Clip Img	Image								

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Terms	Documents
L3 and femA	26

Display Format:

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L4: Entry 1 of 26

File: PGPB

Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020072105

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020072105 A1

TITLE: Crystallization and structure determination of FemA and FemA-like proteins

PUBLICATION-DATE: June 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Benson, Timothy E.	Kalamazoo	MI	US	
Prince, Donald Bryan	Parchment	MI	US	

US-CL-CURRENT: 435/219; 702/19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

[RMC](#)☐ 2. Document ID: US 6403337 B1

L4: Entry 2 of 26

File: USPT

Jun 11, 2002

US-PAT-NO: 6403337

DOCUMENT-IDENTIFIER: US 6403337 B1

TITLE: Staphylococcus aureus genes and polypeptides

DATE-ISSUED: June 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bailey; Camella	Washington	DC		
Choi; Gil H.	Rockville	MD		

US-CL-CURRENT: 435/69.7; 435/252.3, 435/320.1, 435/468, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

[RMC](#)☐ 3. Document ID: US 6391614 B1

L4: Entry 3 of 26

File: USPT

May 21, 2002

US-PAT-NO: 6391614

DOCUMENT-IDENTIFIER: US 6391614 B1

TITLE: Auxiliary gene and protein of methicillin resistant bacteria and antagonists thereof

DATE-ISSUED: May 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tomasz; Alexander	New York	NY		
De Lencastre; Herminia	New York	NY		

US-CL-CURRENT: 435/253.2; 435/320.1, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

☐ 4. Document ID: US 6376180 B1

L4: Entry 4 of 26

File: USPT

Apr 23, 2002

US-PAT-NO: 6376180

DOCUMENT-IDENTIFIER: US 6376180 B1

TITLE: Methods of identifying compounds that bind to target species under isothermal denaturing conditions

DATE-ISSUED: April 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tomich; Paul K.	Kalamazoo	MI		
Epps; Dennis E.	Portage	MI		
Kezdy; Ferenc J.	Kalamazoo	MI		
Marschke; Charles K.	Kalamazoo	MI		
Sarver; Ronald W.	Paw Paw	MI		

US-CL-CURRENT: 435/6; 435/4, 435/7.1, 436/172, 436/518, 436/805

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

☐ 5. Document ID: US 6356845 B1

L4: Entry 5 of 26

File: USPT

Mar 12, 2002

US-PAT-NO: 6356845

DOCUMENT-IDENTIFIER: US 6356845 B1

TITLE: Crystallization and structure determination of Staphylococcus aureus UDP-N-acetylenolpyruvylglucosamine reductase (S. aureus MurB)

DATE-ISSUED: March 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Benson; Timothy E.	Kalamazoo	MI		
Harris; Melissa S.	Marshall	MI		

US-CL-CURRENT: 702/19; 435/183, 702/27

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 6. Document ID: US 6297273 B1

L4: Entry 6 of 26

File: USPT

Oct 2, 2001

US-PAT-NO: 6297273

DOCUMENT-IDENTIFIER: US 6297273 B1

TITLE: Use of cocoa solids having high cocoa polyphenol content in tableting compositions and capsule filling compositions

DATE-ISSUED: October 2, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Romanczyk, Jr.; Leo J.	Hackettstown	NJ		

US-CL-CURRENT: 514/456; 424/452, 424/465, 426/631, 549/399, 549/407

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 7. Document ID: US 6251647 B1

L4: Entry 7 of 26

File: USPT

Jun 26, 2001

US-PAT-NO: 6251647

DOCUMENT-IDENTIFIER: US 6251647 B1

TITLE: Auxiliary genes and proteins of methicillin resistant bacteria and antagonists thereof

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
de Lencastre; Herminia	New York	NY		
Tomasz; Alexander	New York	NY		

US-CL-CURRENT: 435/193; 435/252.1, 435/252.33, 435/320.1, 435/471, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 8. Document ID: US 6228588 B1

L4: Entry 8 of 26

File: USPT

May 8, 2001

US-PAT-NO: 6228588

DOCUMENT-IDENTIFIER: US 6228588 B1

TITLE: Methods of screening for compounds active on Staphylococcus aureus target genes

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Benton; Bret	Burlingame	CA		
Lee; Ving J.	Los Altos	CA		
Malouin; Francois	Los Gatos	CA		
Martin; Patrick K.	Sunnyvale	CA		
Schmid; Molly B.	Menlo Park	CA		
Sun; Dongxu	Cupertino	CA		

US-CL-CURRENT: 435/6; 435/69.1, 514/2, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 9. Document ID: US 6187541 B1

L4: Entry 9 of 26

File: USPT

Feb 13, 2001

US-PAT-NO: 6187541

DOCUMENT-IDENTIFIER: US 6187541 B1

TITLE: Methods of screening for compounds active on staphylococcus aureus target genes

DATE-ISSUED: February 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Benton; Bret	Burlingame	CA		
Lee; Ving J.	Los Altos	CA		
Malouin; Francois	Los Gatos	CA		
Martin; Patrick K.	Sunnyvale	CA		
Schmid; Molly B.	Menlo Park	CA		
Sun; Dongxu	Cupertino	CA		

US-CL-CURRENT: 435/6; 435/69.1, 514/2, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 10. Document ID: US 6136587 A

L4: Entry 10 of 26

File: USPT

Oct 24, 2000

US-PAT-NO: 6136587

DOCUMENT-IDENTIFIER: US 6136587 A

TITLE: Auxiliary genes and proteins of methicillin resistant bacteria and antagonists thereof

DATE-ISSUED: October 24, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tomasz; Alexander	New York	NY		
De Lencastre; Herminia	New York	NY		

US-CL-CURRENT: 435/252.3; 435/253.4, 435/320.1, 536/23.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

☐ 11. Document ID: US 6077513 A

L4: Entry 11 of 26

File: USPT

Jun 20, 2000

US-PAT-NO: 6077513

DOCUMENT-IDENTIFIER: US 6077513 A

TITLE: Drug for treatment of bilharziasis (Schistosomiasis)

DATE-ISSUED: June 20, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Massoud; Ahmed Mohamed Ali	Cairo			EGX

US-CL-CURRENT: 424/748; 424/405, 424/439, 424/456, 426/651

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

☐ 12. Document ID: US 6063613 A

L4: Entry 12 of 26

File: USPT

May 16, 2000

US-PAT-NO: 6063613

DOCUMENT-IDENTIFIER: US 6063613 A

TITLE: Auxiliary genes and proteins of methicillin resistant bacteria and antagonists thereof

DATE-ISSUED: May 16, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
De Lencastre; Herminia	New York	NY		
Tomasz; Alexander	New York	NY		

US-CL-CURRENT: 435/252.3; 435/32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

☐ 13. Document ID: US 6037123 A

L4: Entry 13 of 26

File: USPT

Mar 14, 2000

US-PAT-NO: 6037123

DOCUMENT-IDENTIFIER: US 6037123 A

TITLE: Methods of screening for compounds active on Staphylococcus aureus target genes

DATE-ISSUED: March 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Benton; Bret	Burlingame	CA		
Lee; Ving J.	Los Altos	CA		
Malouin; Francois	Los Gatos	CA		
Martin; Patrick K.	Sunnyvale	CA		
Schmid; Molly B.	Menlo Park	CA		
Sun; Dongxu	Cupertino	CA		

US-CL-CURRENT: 435/6; 435/69.1, 436/501, 514/2, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

☐ 14. Document ID: US 6013507 A

L4: Entry 14 of 26

File: USPT

Jan 11, 2000

US-PAT-NO: 6013507

DOCUMENT-IDENTIFIER: US 6013507 A

TITLE: Auxiliary genes and proteins of methicillin resistant bacteria and antagonists thereof

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tomasz; Alexander	New York	NY		
De Lencastre; Herminia	New York	NY		

US-CL-CURRENT: 435/252.3; 435/252.1, 435/320.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

☐ 15. Document ID: US 5985643 A

L4: Entry 15 of 26

File: USPT

Nov 16, 1999

US-PAT-NO: 5985643

DOCUMENT-IDENTIFIER: US 5985643 A

TITLE: Auxiliary gene and protein of methicillin resistant bacteria and antagonists thereof

DATE-ISSUED: November 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tomasz; Alexander	New York	NY		
De Lencastre; Herminia	New York	NY		

US-CL-CURRENT: 435/243; 435/883, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw	Desc	Image								

☐ 16. Document ID: US 5883074 A

L4: Entry 16 of 26

File: USPT

Mar 16, 1999

US-PAT-NO: 5883074

DOCUMENT-IDENTIFIER: US 5883074 A

TITLE: Potentiators of antibacterial agents

DATE-ISSUED: March 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boggs; Amy	Menlo Park	CA		
Trias; Joaquim	San Mateo	CA		
Hecker; Scott	Los Gatos	CA		

US-CL-CURRENT: 514/8; 514/11, 514/152, 514/153, 514/154, 514/197, 514/198, 514/199, 514/29, 514/312, 514/37, 514/39

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw	Desc	Image								

☐ 17. Document ID: US 5776712 A

L4: Entry 17 of 26

File: USPT

Jul 7, 1998

US-PAT-NO: 5776712

DOCUMENT-IDENTIFIER: US 5776712 A

TITLE: Methods and materials for the detection of Staphylococcus aureus

DATE-ISSUED: July 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kuusela; Pentti	Helsinki			FIN
Hilden; Pekka	Helsinki			FIN

US-CL-CURRENT: 435/7.33; 424/243.1, 435/7.32, 436/547, 530/387.1, 530/388.4,
530/389.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

☐ 18. Document ID: US 5661104 A

L4: Entry 18 of 26

File: USPT

Aug 26, 1997

US-PAT-NO: 5661104

DOCUMENT-IDENTIFIER: US 5661104 A

TITLE: Preservative compositions for use in aqueous systems

DATE-ISSUED: August 26, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Virgilio; Joseph A.	Wayne	NJ		

US-CL-CURRENT: 504/150; 514/741

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

☐ 19. Document ID: US 5587307 A

L4: Entry 19 of 26

File: USPT

Dec 24, 1996

US-PAT-NO: 5587307

DOCUMENT-IDENTIFIER: US 5587307 A

TITLE: FemA gene of staphylococcus epidermidis, femA protein, and vectors and microorganisms comprising the femA gene

DATE-ISSUED: December 24, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Alborn, Jr.; William E.	Carmel	IN		
Hoskins; JoAnn	Indianapolis	IN		
Skatrud; Paul L.	Greenwood	IN		
Unal; Serhat	Ankara			TRX

US-CL-CURRENT: 435/325; 435/252.3, 435/252.33, 530/350, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

☐ 20. Document ID: JP 06319561 A

L4: Entry 20 of 26

File: JPAB

Nov 22, 1994

WEST Search History

DATE: Wednesday, June 26, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
L5	L3 and (fem adj A)	0	L5
L4	L3 and femA	26	L4
L3	staphylococc\$	22698	L3
L2	L1	15228	L2
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
L1	staphylococc\$	15228	L1

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File 5:Biosis Previews(R) 1969-2002/Jun W3
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File 6:NTIS 1964-2002/Jul W1
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*File 6: See HELP CODES6 for a short list of the Subject Heading Codes (SC=, SH=) used in NTIS.

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File 40:Enviroline(R) 1975-2002/May

File 41:Pollution Abs 1970-2002/Jul
(c) 2002 Cambridge Scientific Abstracts

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*File 50: Truncating CC codes is recommended for full retrieval.
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*File 73: For information about Explode feature please
see Help News73.

File 76:Life Sciences Collection 1982-2002/Jun
(c) 2002 Cambridge Sci Abs

File 77:Conference Papers Index 1973-2002/May
(c) 2002 Cambridge Sci Abs

File 94:JICST-EPlus 1985-2002/May W1
(c)2002 Japan Science and Tech Corp(JST)

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the current months data. See Help News94 for details.

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File 155:MEDLINE(R) 1966-2002/Jun W4

*File 155: Daily alerts are now available. This file has
been reloaded. Accession numbers have changed.

File 156:ToxFile 1966-2002/Mar W4
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File 172:EMBASE Alert 2002/Jun W4
(c) 2002 Elsevier Science B.V.

File 305:Analytical Abstracts 1980-2002/Jun W2
(c) 2002 Royal Soc Chemistry

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See HELP NEWS 305.

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(c) 2002 Reed Business Information Ltd.

File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS

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(c) 2002 AMERICAN CHEMICAL SOCIETY

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File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info

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---	-----	-----
? s	staphylococc\$	
S1	0	STAPHYLOCOCC\$
? s	staphylococc?	
S2	406639	STAPHYLOCOCC?
? s	s2 and (femA or fem (w) A)	
	Processing	
	Processing	
	Processing	
	Processed 10 of 25 files ...	
	Processing	
	Processing	
	Processed 20 of 25 files ...	
	Processing	
	Completed processing all files	
	406639	S2
	1453	FEMA
	31810	FEM
	53740838	A
	318	FEM(W)A
S3	378	S2 AND (FEMA OR FEM (W) A)
? s	s3 and (probe or primer)	
	378	S3
	666311	PROBE
	149805	PRIMER
S4	42	S3 AND (PROBE OR PRIMER)
? rd	s4	
	...completed examining records	
	S5	15 RD S4 (unique items)
? t	s5/7/1-15	

PUB-NO: JP406319561A

DOCUMENT-IDENTIFIER: JP 06319561 A

TITLE: FEMA GENE OF STAPHYLOCOCCUS EPIDERMIDIS, FEMA PROTEIN, AND VECTOR AND MICROORGANISM COMPRISING THE FEMA GENE

PUBN-DATE: November 22, 1994

INVENTOR-INFORMATION:

NAME

COUNTRY

ALBORN, JR WILLIAM ERNEST

HOSKINS, JO ANN

SKATRUD, PAUL LUTHER

UENAL, SERHAT

INT-CL (IPC): C12N 15/31; C12N 1/21; C12P 21/02

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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